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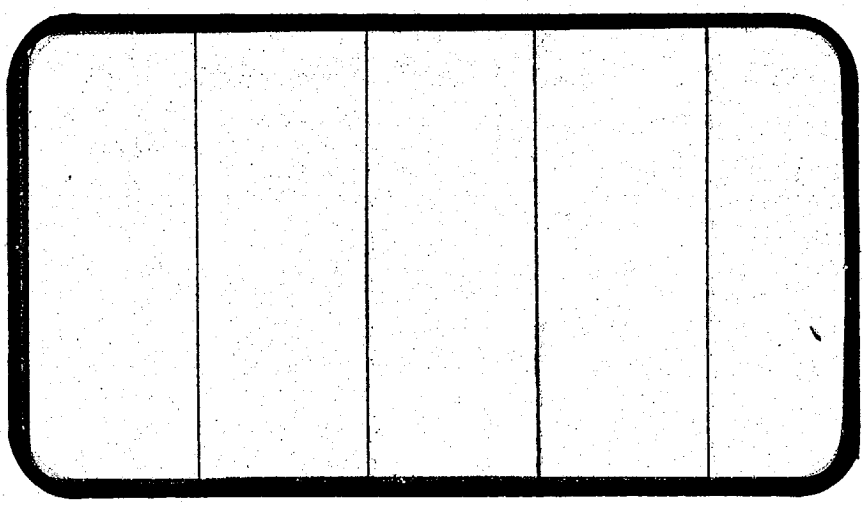

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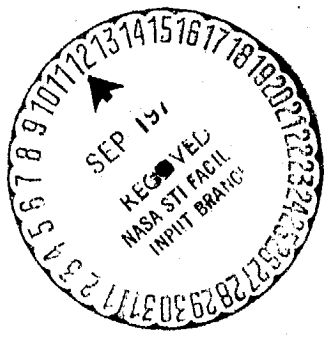

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AERODYNAMIC CHARACTERISTICS OF A 142-INCH DIAMETER SOLID ROCKET BOOSTER, CONFIGURATION 139 (SA2FA/SA2FB)

by

Walter D. Radford, NSI
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Prepared under NASA Contract Number NAS9-13247

by

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New Orleans, La. 70189

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NASA Series No.:	SA2FA/SA2FB
Occupancy Hours:	228
Test Date:	July 20 - Aug. 7, Sept. 25-28, 1973

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AERODYNAMIC CHARACTERISTICS OF A 142-INCH DIAMETER SOLID ROCKET BOOSTER, CONFIGURATION 139 (SA2FA/SA2FB)

By

Walter D. Radford* and Josh D. Johnson**

ABSTRACT

Two tests of a 2.112 percent scale Space Shuttle SRB model, MSFC Model 454, were conducted in the 8' TPT at LaRC. The first test, 8' TPT 655, occupied the tunnel for 176 hours. The test started on July 20, 1973 and was completed on Aug. 7, 1973; it consisted of 176 runs (pitch polars). The second test, 8' TPT 662, occupied the tunnel for 52 hours. This test started on Sept. 25, 1973 and was completed on Sept. 28, 1973; it consisted of 60 runs. Mach numbers ranged from 0.4 to 1.2; angles of attack ranged from -1 degree to 181 degrees; Reynolds numbers ranged from 0.6 to 6.1 million per foot; and roll angles were 0, 45, 90, and 135 degrees. Three configurations were tested:

1. SRB without external protuberances
2. SRB with an electrical tunnel and a SRB/ET thrust attachment structure
3. SRB with two body strakes

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A) CN, CLM, XCP/L, CA, CY, CYN, CBL vs ALPHA

B) DLTCN, DLTCLM, DLTCA, DLTCY, DLTCYN, DLTCBL vs ALPHA

NOMENCLATURE

MISSILE AXIS SYSTEM

Symbol	Plot Symbol	Definition	Units
C_{A_m}	CA	total axial force coefficient in the missile axis system, $F_{A_m}/q\ S_{ref}$	
C_{ℓ_m}	CBL	rolling moment coefficient in the missile axis system, $M_{x_m}/q\ S_{ref}\ \ell_{ref}$	
C_{m_m}	CLN	pitching moment coefficient in the missile axis system, $M_{y_m}/q\ S_{ref}\ \ell_{ref}$	
C_{N_m}	CN	normal force coefficient in the missile axis system, $F_{N_m}/q\ S_{ref}$	
C_{n_m}	CYN	yawing moment coefficient in the missile axis system, $M_{Z_m}/q\ S_{ref}\ \ell_{ref}$	
C_{y_m}	CY	side force coefficient in the missile axis system, $F_{y_m}/q\ S_{ref}$	
F_{A_m}		total axial force in the missile axis system, positive in the negative direction of X_m	lb
F_{N_m}		normal force in the missile axis system, positive in the negative direction of Z_m	lb
F_{y_m}		side force in the missile axis system, positive in the positive direction of Y_m	lb
M		Mach number	
M_{X_m}		rolling moment in the missile axis system, i.e., moment about the X_m-axis (a positive rolling moment tends to rotate the positive Y_m-axis toward the positive Z_m-axis	in.-lb
M_{Y_m}		pitching moment in the missile axis system, i.e., moment about the Y_m-axis (a positive pitching moment tends to rotate the positive Z_m-axis toward the positive X_m-axis)	in.-lb
M_{Z_m}		yawing moment in the missile axis system, i.e., moment about the Z_m-axis (a positive yawing moment tends to rotate the positive X_m-axis toward the positive Y_m- axis)	in.-lb
A_i		base areas	$in.^2$
ℓ_{ref}	LREF	reference length (diameter of the cylindrical section of the model)	in.
$C_{P_{bi}}$		base pressure coefficient ; $\frac{P_{bi}-P_\infty}{q}$	

NOMENCLATURE

Symbol	Plot Symbol	Definition	Units
P_{b_i}		base pressures	psi
p_{t_∞}		free stream total pressure	psi
p_∞		free stream static pressure	psi
q_∞		free stream dynamic pressure	psi
S_{ref}	SREF	reference area (cross sectional area of the cylindrical section of the model)	$in.^2$
T_t		tunnel total temperature	°F
X_m, Y_m, Z_m		missile axes (see text)	
X,Y,Z		body axes system coordinates (for an airplane, the X, Z-plane is the plane of symmetry, the origin of the axes system is the center of gravity or any other convenient point, and the X axis is the airplane longitudinal axis) - see Figure 1.	
XMRP, YMRP, ZMRP	XMRP YMRP ZMRP	abbreviations for the location of the moment reference point in the missile axis system	in.
α	ALPHA	angle of attack, angle between the X_m-axis and a vector in the direction of the air flow	degrees
ϕ	PHI	roll angle, i.e., angle between the missile Y_m-axis and the body Y-axis (from a pilot's viewpoint in an airplane, a positive roll angle is a clockwise rotation)	degrees

Subscripts

ref	reference conditions
∞	free stream conditions
b	base
i	identifies the location of the base pressure measurements

In addition to the standard notation, the following are special to this test:

Symbol	Plot Symbol	Definition
X_{cp}/ℓ	XCP/L	Center of pressure location based on body length; $= \frac{X_{c.g.}}{\ell Body} - \left(\frac{C_{m_m}}{C_{N_m}}\right)\left(\frac{\ell_{ref}}{\ell_{Body}}\right)$
	FWDSTK	Parameter name describing the forward strake; number in front of decimal is the number of strakes. Number after decimal is the length of the strake in calibers*.
	AFTSTK	Parameter name describing the aft strake; number in front of decimal is the number of strakes. Number after decimal is the length of the strake in calibers.
ϕ	PHI	Parameter name describes the particular protuberance angular location in degrees (see model roll angle).
	ATTRNG	Parameter name describing the attachment ring. A number indicates the presence of the ring.
	ELETUN	Parameter name describing the electrical tunnel. Number of 1.0 indicates an electrical tunnel is mounted on the SRB at an angular location as described by phi (ϕ). A SRB/ET thrust attachment structure is always mounted 180° around the SRB body from the electrical tunnel. (Model roll angle is based on the position of electrical tunnel).
	RTORKS	Parameter name describing retro-rockets (separation rockets); a number indicates the presence of the rockets.
ΔC_{N_m}	DLTCN	Incremental normal force coefficient due to body strake or electrical tunnel
ΔC_{A_m}	DLTCA	Incremental axial force coefficient due to body strake or electrical tunnel
ΔC_{y_m}	DLTCY	Incremental side force coefficient due to body strake or electrical tunnel
ΔC_{m_m}	DLTCLM	Incremental pitching moment coefficient due to body strake or electrical tunnel
ΔC_{n_m}	DLTCYN	Incremental yawing moment coefficient due to body strake or electrical tunnel
ΔC_{ℓ_m}	DLTCBL	Incremental rolling moment coefficient due to body strake or electrical tunnel
RN/ℓ	RN/L	Reynolds number per unit body length; millions per foot

*One caliber = $\ell_{ref} = d_{ref} = 3.000$ inches

INTRODUCTION

Space Shuttle launch configuration consists of a delta wing orbiter, a large external fuel tank (ET), and two solid rocket boosters (SRB). At launch the orbiter engines and the two SRB's are ignited. The SRB's burn out at an altitude of approximately 140,000 feet. After burnout, the SRB's separate from the shuttle launch configuration and free-fall toward the ocean. At approximately 17,000 feet altitude, parachutes are deployed which lower each SRB into the ocean with an impact velocity of about 80 feet per second (fps).

Free-fall of the SRB's after separation is completely uncontrolled. However, the SRB's must decelerate to a velocity and attitude that is suitable for parachute deployment. To determine the rate of deceleration and the attitude of the SRB's during free-fall, engineers at Marshall Space Flight Center (MSFC) are using a six-degree-of-freedom computer program to predict dynamic behavior. Static aerodynamic coefficients are part of the information required for input into this computer program.

To determine static aerodynamic coefficients for the SRB's during free-fall, several wind tunnel tests of SRB models were conducted in the 14-inch Trisonic Wind Tunnel at MSFC. These tests, described in references 1, 2, 3, and 4, were conducted with 0.5634 percent models. The tunnel blockage with these models was almost five percent for certain test conditions, and the Reynolds numbers were of the order to cause transitional flow. To eliminate these objectionable test conditions, a larger scale SRB model was tested in the 8-Foot Transonic Pressure Tunnel

(8' TPT) at Langley Research Center (LaRC). The test, 8' TPT 655, was conducted with a 2.112 percent scale model; maximum tunnel blockage was reduced to approximately 1.53 percent. Primary Reynolds numbers were high enough to insure turbulent flow.

Post-test calibration of the wind tunnel balance used during Test 655 indicated a discrepancy in the axial force calibration constants from pre-test results. This questioned the validity of the axial force data to the extent that a second, shorter test was performed to check the data from the first test. Data from this second test, 8' TPT 662, verified the data from the first test, indicating that any balance gage shift occurred after the first test but prior to post calibration. Results from both tests are presented.

Tunnel conditions during these two tests were as follows: Mach numbers were 0.4, 0.6, 0.8, 0.9, 1.0, and 1.2; angles of attack ranged from -1 to 181 degrees, and Reynolds numbers ranged from 0.6 to 6.1 million per foot.

Three model configurations investigated were as follows:

1. SRB without external protuberances.
2. SRB with an electrical tunnel and a SRB/ET thrust attachment structure.
3. SRB with two body strakes.

MODEL DESCRIPTION AND SUPPORT HARDWARE

Model Description

The model, MSFC model 454, was a 2.112 percent scale model of a 142-inch diameter SRB. Details of the model are in table I and figures 2, 3, 4, and 5. Figure 2 presents the dimensions of the major geometric body segments. These segments and their dimensions are as follows:

1) A 3.971-inch long, spherically blunted, 18-degree half-angle nose cone (a truncated nose section was used to allow for the passage of the sting at alpha range of 140 to 180 degrees).

2) A 29.734-inch long, 3-inch diameter cylindrical body section.

3) A 1.964-inch long, 15-degree, 3-foot frustrum angle, axially symmetric engine shroud.

4) A 1.102-inch long axially symmetric 10-degree half-angle, conical engine nozzle.

Figure 3 presents the dimensions and locations of an attachment ring and body strakes that were attached to the model. The attachment ring was a scaled representation of a structure used to attach the SRB's to the Space Shuttle External Tank and was affixed to the model for all of the wind tunnel tests. Body strakes were scaled representations of small protuberances considered for use on the SRB's. These strakes were used on the model only during selected parts of the test.

Figure 4 presents the dimensions and locations of an electrical tunnel and a SRB/ET thrust attachment structure that were attached to the model. The electrical tunnel was a scaled representation of a tunnel used to route electrical wiring from the front to the rear of the SRB's. The SRB/ET thrust attachment structure was a scaled representation of

the structure used to transmit the thrust of the SRB's to the ET. The tunnel and structure were only used during selected parts of the test.

Figure 5 shows the aft portion of the model and details the plug, which is removed to allow passage of the sting for testing at angles of attack from -1 to 40°.

The model was made in seven sections: nose, strake ring, two fill rings, balance body, sting outlet section, and tail section (figure 6). Three reasons for these seven sections are as follows:

1) The two fill rings could be assembled in three arrangements relative to the balance body: both forward, both aft, or one forward and one aft. This allows adjustment of the model center of pressure relative to the balance center.

2) The nose and strake ring sections were interchangeable with the tail section. The nose forward, tail aft configuration was used for angles-of-attack from -1 to 100 degrees and the tail forward, nose aft configuration was used for angles-of-attack from 80 to 181 degrees. A truncated nose section allowed for the passage of the sting at angle-of-attack range of 140 to 181 degrees.

3) The sting outlet section was required so that the sting could go out the leeward side of the cylindrical section of the model when the model was placed in the wind tunnel at angles of attack between 40 and 140 degrees.

The model was designed so that roll angles of 0, 45, 90, 135, 180, 225, 270, and 315 degrees could be simulated. These angles could be achieved by rolling the nose strake ring and tail sections relative to the balance body and at the same time moving the protuberances to a different roll position on the model. The sign convention for roll angles is shown in figures 3 and 4.

MODEL DESCRIPTION AND SUPPORT HARDWARE (Concluded)

Figure 7 shows the various model parts used during these two tests and figures 8 through 11 show typical installation of the model in the tunnel.

Support Hardware

Five pieces of model support hardware were used during these tests: sting holder, straight sting (model), straight sting (mate), 60-degree offset sting (model) and offset sting (60-degree mate).

The sting holder (figure 12) adapted the stings to the model support system in the test facility. It also dropped the sting centerline 5.5 inches.

The straight sting (model) and straight sting (mate) (figure 13) supported the model at angles of attack from -1 to 40 degrees and 140 to 181 degrees.

The 60-degree offset sting (model) and the offset sting (60-degree mate) (figure 14) supported the model at angles of attack from 40 to 140 degrees. The 60-degree offset sting (model) came out the leeward side of the cylindrical section of the model.

Typical installations of the stings are shown in figures 15 and 16. Typical model and support hardware combinations are shown in figures 17 and 18.

CONFIGURATIONS INVESTIGATED

Run schedules (data set collations) are shown in tables III and IV. These tables contain the data set collation identifiers for each test and identify the nominal conditions at which various configurations were tested. These conditions were angle-of-attack (α), roll angle (ϕ), Mach numbers (M) and Reynolds number per foot (R_N/ft). When "max" is listed for the condition R_N/ft, table II must be used to determine the maximum R_N/ft capability of the 8' TPT for the various Mach numbers being tested.

As indicated in table III, the SRB without protuberances was tested at Mach numbers of 0.4, 0.6, 0.8, 0.9, 1.0, and 1.2 and angles of attack from -1 to 181 degrees. This configuration was tested at several Reynolds numbers with and without boundary layer trips at limited Mach numbers of 0.4, 0.6, 0.9, and 1.2 and angles of attack from 80 to 100.

Boundary layer trips were formed by applying grit to the model in 0.1-inch wide strips 60 degrees away from the windward stagnation line on each side of the cylindrical section and engine shroud and in a 0.1-inch wide circumferential strip around the conical portion of the nose (figure 19). These trip strips were used during all testing at angles of attack between -1 and 140 degrees. Two grit sizes (No. 54 or No. 60) were used during test 8' TPT 655. Two additional grit sizes (No. 25 and No. 40) were investigated during test 8' TPT 662 to determine any effect the grit size had on the aerodynamic characteristics of the model.

The configuration with a scaled electrical tunnel and an SRB/ET thrust attachment structure was formed by adding them to the previous configu-

ration (figure 4). This configuration was tested at roll angles of 45, 90, and 135 degrees, which were achieved by placing the tunnel and structure on the model at the appropriate roll angle. Investigations were made over an alpha range from -1 to 181 degrees at Mach numbers of 0.6, 0.9, and 1.2 and at maximum tunnel Reynolds numbers.

The SRB with two body strakes was formed by adding two strakes to the SRB without protuberances. Both of these strakes were one caliber long and 0.1 caliber high. As shown in figure 3, one strake was placed on the model at a position one caliber behind the cone shoulder and the other strake was located so its rear edge was at the junction of the model cylindrical section and engine shroud. These strakes were along lines diametrically opposed to each other so that when the model roll angle was zero, the rear strake was along the model windward side stagnation line. Tests of this configuration were limited to Mach numbers of 0.4, 0.6, 0.9, and 1.2 and angles of attack from 80 to 100 degrees at several Reynolds numbers.

There were some runs in which the configuration or Reynolds number deviated from the nominal. The runs and deviations were as follows:

Data Set Identifiers	Run No.	Mach	Deviation
RPS035 & RPS036	141-146,153-158	0.4,0.6,0.8, 0.9,1.0,1.2	SRB/ET thrust attachment structure affixed during these runs

CONFIGURATIONS INVESTIGATED
(Concluded)

Data Set Identifiers	Run No.	Mach	Deviation
RPS026 & RPS027	118 & 112	1.0	R_N/ft was not the maximum available of ~5.2 x 10^6 but was ~4.9 x 10^6.
RPS010	14	0.4	No. 60 grit used for trip strips in lieu of No. 54 grit.
RPS012	15 & 13	0.4 & 0.9	
RPS013	16	0.6	

Additionally, Test 655 revealed some mis-match of coefficients when the sting support system was changed. Thus, runs were made during Test 662 to extend the angle of attack range obtained with the tail-mounted model (figure 8) and the nose-mounted model (figure 11). This extended angle of attack range was achieved by using the straight sting (model) with the offset sting (60-degree mate). The angle of attack ranges were extended 10 degrees so that, for the tail mounted model, the maximum angle of attack was approximately 50 degrees and, for the tail mount, the minimum angle of attack was approximately 130 degrees. Runs conducted to extend these angle of attack ranges are identified by a "L" or an "M" in the α schedule of table VIII.

Also during Test 662, two runs were made at a Mach number of 0.4 to determine hysteresis effects. These runs covered an angle of attack range from 40 to 60 degrees. During the first run, Run 22, Data Set Identifier RPS101, the model was rotated in the direction of increasing angle of attack. During the second run, Run 23, Data Set Identifier RPS108, the model was rotated in the direction of decreasing angle of attack.

DATA ACQUISITION AND REDUCTION

Parameters measured and recorded during these two tests were as follows:

1) Tunnel conditions ($P_{t\infty}$, P_∞, T_t)

2) Sting attitude

3) Base pressures (for $-1° \leq \alpha \leq 40°$ and $140° \leq \alpha \leq 181$ degrees only)

4) Six-component force and moment data.

Tunnel conditions were used to calculate the Mach number, the dynamic pressure, and the Reynolds number; the sting attitude with deflection calibrations were used to calculate the model angle of attack; the base pressures were used to calculate base pressure coefficients; and the six-component force and moment data were used to calculate static stability coefficients.

Base pressures were recorded only over angle of attack ranges from -1 to 40 degrees and from 140 to 181 degrees; i.e., base pressures were not recorded when the model was supported in the wind tunnel as shown in figures 9 and 10. Figure 20 shows the location of pressure tubes for angle of attack from -1 to 40 degrees. Figure 21 shows the pressure tubes locations for angles of attack from 140 to 181 degrees. In the latter position, pressures that were recorded probably would be more accurately described as "nose cavity pressures" rather than base pressures.

A tabulation of the base pressure coefficients is included in the appendix. Zeroes are listed where base pressures were not recorded (alpha range from 40 to 140 degrees).

As stated above, the six-component force and moment data were used to calculate six-component static stability coefficients. These data were measured with LaRC Balance numbers 403, 404, and 814. The rated capacity (see Table II) of these three balances is the same. Balance No. 814 was used for 8'TPT 655. Balance numbers 403 and 404 were used for the following runs in 8'TPT 662.

Balance	Data Set Identifier	*Test Runs
8'TPT-622 - Balance 404	RPS101-109	4,5,11,18,22,23,26,29,32
	RPS113-145	1-3,6-10,12-17,19-21,24, 25,27,28,30,31,33-52
Balance 403	RPS110-112	53 through 60

* A "run" refers to one pitch polar in which a model of one configuration is rotated through an angle of attack range of approximately 20 degrees at a constant Mach number, Reynolds number, and roll angle.

The six coefficients, C_{A_m}, C_{ℓ_m}, C_{m_m}, C_{N_m}, C_{n_m}, and C_{Y_m}, are coefficients in the missile axis system.

The missile axes system (X_M, Y_M, Z_M) is a non-rolling body axes system that is frequently used in wind tunnel tests and studies of missile flight dynamics. It is a system of axes that never rotates about the missile or model longitudinal axis. The missile axes system is identical with the body

axes system at zero roll angle.

Six-component static aerodynamic coefficients in the missile axes system may be converted to coefficients in the body axes system with the following six equations:

$$C_A = C_{A_m}$$

$$C_N = C_{N_m} \cos \phi + C_{y_m} \sin \phi$$

$$C_y = -C_{N_m} \sin \phi + C_{y_m} \cos \phi$$

$$C_\ell = C_{\ell_m}$$

$$C_m = C_{m_m} \cos \phi + C_{n_m} \sin \phi$$

$$C_n = -C_{m_m} \sin \phi + C_{n_m} \cos \phi$$

Orientations of the body axes coefficients (C_A, C_N, C_y, C_ℓ, C_m, C_n) are defined in figure I.

The following reference dimensions were used to calculate the static stability coefficients:

Parameter	Full Scale	Model Scale
Reference area (S_{ref}) based on body cross section	109.98 ft^2	7.069 $in.^2$
Reference length (ℓ_{ref}) = (b_{ref}) = model diameter	142 in.	3.000 in.

DATA ACQUISITION AND REDUCTION (Concluded)

Parameter	Full Scale	Model Scale
Moment reference center (from body nose)		
*XMRP	986.46 in.	20.834 in.
YMRP	0	0
ZMRP	0	0

* 56.66% of body length, measured from nose tip.

Force and moment data were corrected for model weight tares but angles of attack were not corrected for tunnel flow angularity.

Shadowgraph or Schlieren photographs were not made during these tests.

TEST FACILITY DESCRIPTION

NASA-Langley 8-Foot Transonic Pressure Tunnel is a single return, closed circuit tunnel with Mach number continuously variable from 0.2 to 1.3. Test medium is air with stagnation pressure, stagnation temperature, and dewpoint temperature controlled. Test section is 7.1 feet square and has a sting-type model support with tunnel wall mounts available. Six-component moment type internal balances are commonly used; balance output is recorded digitally on paper tape for subsequent reduction.

DATA PRESENTATION

Data are presented in two forms: (1) Stability coefficients plotted as a function of angle of attack and (2) data tables that include six stability coefficients, four base pressure coefficients, tunnel flow conditions, and model attitude.

Data Plots

Plots of the stability coefficients show certain significant effects that were investigated during the tests:

1) Effects of the angular location (roll angle) of the electrical tunnel and SRB/ET thrust attachment structure.

2) Effects of the angular location (roll angle) of body strakes.

3) Reynolds number effects with and without boundary layer trips.

Data in the plots for a roll angle of zero are the data from tests of the configuration that did not have external protuberances other than the attachment ring.

These plots of the stability coefficients include the six static aerodynamic coefficients (C_{N_m}, C_{A_m}, C_{Y_m}, C_{m_m}, C_{n_m}, C_{ℓ_m}) and the longitudinal center of pressure (XCP/L) based on the body length.

In addition to these plots that show coefficients as a function of angle of attack, plots were made that show incremental changes in the coefficients that were caused by attaching to the model either the body strakes or the electrical tunnel with the SRB/ET attach atructure.

Incremental coefficients (ΔC_{N_m}, ΔC_{A_m}, ΔC_{Y_m}, ΔC_{m_m}, ΔC_{n_m}, ΔC_{ℓ_m}) were determined by subtracting the coefficient values for the configuration without protuberances from the coefficient values for the configuration

with protuberances; i.e., for a given model roll angle

$$\Delta C_{i_M} = (C_{i_M})_{\text{with protuberance}} - (C_{i_M})_{\text{w/o protuberance}}$$

For example,

electrical tunnel at model roll angle of 90°

$$\Delta C_{N_M} = (C_{N_M})_{\text{electrical tunnel @ } \phi=90°} - (C_{N_M})_{\text{w/o protuberance}}$$

Much of Test 662 was a repeat of parts of Test 655; therefore, data from Test 662 are presented only in plots that do not include any data from Test 655. Table VI identifies the runs from Test 655 that were repeated during Test 662.

Table VII is a coding of the grouping of various data set identifiers for plotting purposes.

Data Tables

Data tables, identified as tabulated source data, are presented for each of the 176 runs of Test 655 and for each of the 60 runs of Test 662. Tables are presented in the order of dataset number. Each table lists the six static aerodynamic stability coefficients. Four base pressure coefficients are listed for those runs that included base pressure measurements. (Where base pressures were not recorded, zeroes will appear in the data table for C_p's.) Each table also includes information that describes the model configuration, altitude, reference dimensions and tunnel flow conditions.

REFERENCES

1. NASA CR-120,056 (DMS-DR-1253), "Aerodynamic Characteristics of a 156-Inch Solid Rocket Motor at Angles of Attack from -10° to 190°," Buchholz, R. E., Elder, D. J.; August 1972.

2. NASA CR-120,090 (DMS-DR-2012), "Aerodynamic Characteristics of a 162-Inch Diameter Solid Rocket Booster with and without Strakes," Radford, W. D., Johnson, J. D., Rampy, J. M.; March 1973.

3. NASA CR-128,767 (DMS-DR-2025), "Aerodynamic Characteristics of a 142-Inch Solid Rocket Booster with and without Strakes," Radford, W. D., Johnson, J. D.; May 1973.

4. NASA CR-128,774 (DMS-DR-2051), "Aerodynamic Characteristics of a 142-Inch Diameter Solid Rocket Booster (Configurations 89B and 139)," Radford, W. D., Johnson, J. D.; August 1973.

Table I. Model Component Dimensions

MODEL COMPONENT: Nose

GENERAL DESCRIPTION: 142-inch diameter SRB nose, cone angle is 18° with a spherical radius nose cap. (The nose was cut to allow for sting mounting when alpha exceeded 140°).

MODEL DRAWING NUMBER: MSFC #80M42621
MSFC #80M42622

DIMENSIONS:	THEORETICAL		ACTUAL MEASURED
	FULL-SCALE	MODEL SCALE	MODEL SCALE
Length	188 in.	3.971 in.	3.892 in.
Max. Width	142 in.	3.000 in.	3.000
Max. Depth	142 in.	3.000 in.	3.000
Fineness Ratio	1.32	1.32	1.297
Area			
Max. Cross-Sectional	109.97 ft^2	7.069 $in.^2$	
Planform			
Wetted			
Base	109.97 ft^2	7.069 $in.^2$	
Length (when cut for sting mounting)		1.539 in.	1.511

Table I. (Continued)

MODEL COMPONENT: BODY

GENERAL DESCRIPTION: 142-inch diameter SRB body for SRB configuration 139. (This body was cut on its side for sting mounting for angle-of-attack from 40 to 140 degrees).

MODEL DRAWING NUMBER: 80M42621, 80M42623, 80M32580, 80M42620, 80M42590, 80M42626

DIMENSIONS:	THEORETICAL		ACTUAL MEASURED
	FULL-SCALE	MODEL SCALE	MODEL SCALE
Length	1407.8 in.	29.734 in.	29.757 in.
Max. Width	142 in.	3.000 in.	3.001
Max. Depth	142 in.	3.000 in.	3.001
Fineness Ratio	9.91	9.91	9.915
Area			
Max. Cross-Sectional	109.98 ft^2	7.069 $in.^2$	
Planform			
Wetted			
Base	109.97 ft^2	7.069 $in.^2$	

Table I. (Continued)

MODEL COMPONENT: Engine/Shroud

GENERAL DESCRIPTION: 142-inch diameter SRB engine shroud/nozzle combination for SRB configuration 139. Both are symmetrical with the SRB body and were cut to allow for sting mounting for angle-of-attack 0 to 40 degrees. The tail was hollowed to simulate full scale.

MODEL DRAWING NUMBER: 80M42626, 80M32613

	THEORETICAL		ACTUAL MEASURED
DIMENSIONS:	FULL-SCALE	MODEL SCALE	MODEL SCALE
Engine Shroud			
Length	93 in.	1.964 in.	1.975
Max. Width	192 in.	4.055 in.	4.062 in.
Max. Depth	192 in.	4.055 in.	4.062 in.
Max. Cross Sectional Area	201.1 ft^2	12.914 $in.^2$	12.959
Engine Nozzle			
Length	62 in.	1.102 in.	1.095 in.
Max. Width	141.7 in.	2.993 in.	2.994 in.
Max. Depth	141.7 in.	2.993 in.	2.994 in.
Max. Cross Sectional Area	109.52 ft^2	7.040 $in.^2$	7.040 in^2

Table I. (Continued)

MODEL COMPONENT: Attachment Ring

GENERAL DESCRIPTION: An attachment ring (used to attach the SRB to the ET) is located 27.773 inches model scale (1315 inches full scale) from the nose of the vehicle.

MODEL DRAWING NUMBER: 80M32547, 80M32582

DIMENSIONS:	THEORETICAL		ACTUAL MEASURED
	FULL-SCALE	MODEL SCALE	MODEL SCALE
Length			
Max. Width	10.98 in.	0.232 in.	
Max. Depth	9.99 in.	0.211 in.	
Fineness Ratio			
Area			
Max. Cross-Sectional			
Planform			
Wetted			
Base			

Table I. (Continued)

MODEL COMPONENT: Electrical Tunnel

GENERAL DESCRIPTION: The electrical tunnel runs along the outside the SRB tank to protect the various electrical cables from aerodynamic loading.

MODEL DRAWING NUMBER: 80M42642

DIMENSIONS:	THEORETICAL FULL-SCALE	THEORETICAL MODEL SCALE
Length	~ 1274 in.	~ 26.9 in.
Max. Width	13 in.	0.275 in.
Max. Depth	6 in.	0.127 in.
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

See Figure 4 for more details

Table I. (Continued)

MODEL COMPONENT: SRB/ET Thrust Attachment Structure

GENERAL DESCRIPTION: This structured is mounted aft the intersection of nose and body and is used to attach the SRB to the ET.

MODEL DRAWING NUMBER: 80M42641

DIMENSIONS:

	THEORETICAL	
	FULL-SCALE	MODEL SCALE
Length		~ 1.000 in.
Max. Width		~ 2.744 in.
Max. Depth		~ 0.157
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

See Figure 4. for more details.

Table I. (Concluded)

MODEL COMPONENT: Strake - One Caliber

GENERAL DESCRIPTION: The leading edge of the forward strake is located 3.0 inches (1 caliber) aft of the junction of nose and body. The tailing edge of the aft strake is located at the junction of the body and shroud but on opposite side of body from forward strake.

MODEL DRAWING NUMBER: 80M21779

DIMENSIONS:	THEORETICAL FULL-SCALE	MODEL SCALE
Length	142 in.	3.000 in.
Max. Width	14.2 in.	0.3 in.
Max. Depth	14.2 in.	0.3 in.
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

Table II

TEST CONDITIONS & BALANCE RATED CAPACITY
TEST LaRC 8'TPT 655 and 662

MACH NUMBER	REYNOLDS NUMBER (per foot)	DYNAMIC PRESSURE (PSF)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.4	0.6×10^6	55.3	101.5
0.4	1.2	110.7	102.0
0.4	2.0	184.6	104.0
0.4	3.6	332.2	106.0
0.6	0.6	79.2	112.5
0.6	1.2	158.3	104.5
0.6	2.0	263.8	107.5
0.6	3.6	474.5	122.0
0.6	5.1	672.8	115.5
0.8	6.1	1006.0	123.0
0.9	0.6	107.2	114.0
0.9	1.2	214.5	112.0
0.9	2.0	357.3	118.5
0.9	5.5	982.5	123.0
1.0	4.9	933.4	124.0
1.0	5.2	990.3	123.0

BALANCE UTILIZED: LaRC 814, 403, 404

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	1200 lb.		
SF	400 lb.		
AF	250 lb.		
PM	1600 in.-lb.		
YM	1400 in.-lb.		
RM	800 in.-lb.		

COMMENTS:
The above are average values

Table II. (Concluded)
TEST CONDITIONS & BALANCE RATED CAPACITY
TEST LaRC 8'TPT 655 and 662

MACH NUMBER	REYNOLDS NUMBER (per foot)	DYNAMIC PRESSURE (PSF)	STAGNATION TEMPERATURE (degrees Fahrenheit)
1.2	1.0	208.7	122.0
1.2	2.0	417.4	122.0
1.2	3.0	625.6	123.0
1.2	4.2	875.9	121.0

BALANCE UTILIZED: _____

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	_____	_____	_____
SF	_____	_____	_____
AF	_____	_____	_____
PM	_____	_____	_____
YM	_____	_____	_____
RM	_____	_____	_____

COMMENTS:

TABLE III. TEST LaRC 8'TPT 655 DATA SET COLLATION SHEETS

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES φ	RN/ft X/ft	NOSE UP/DN		NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.4	0.6	0.9	1.2								
RPS001	SRB W/O PROTUBERANCES	E	0	0	0.6	UP		3	6	20	19									
2					1.0			1				23								
3					1.2			3	8	7	5									
4					2.0			4	10	9	4	22								
5					3.0			1				24								
6					3.6			2	2	21										
7					4.2			1				25								
8					5.1			1		1										
9					5.5			1			3									
10	SRB W/O PROTUBERANCES				0.6				*14	18	17									
	AND W/ # 54 TRIP STRIPS				1.0															
12					1.2				*15	33	*13									
13					2.0				32	*16	12	27								
					3.0															
15					3.6				31											
16					4.2							28								
17					5.1					30										
18					5.5						29									

PPS 1 BETA 7 Q (PSF) 13 CP1 19 CP2 25 CP3 31 CP4 37 43 49 55 61 MACH 67 ALPHA 75 76 6

RPS BETA CN CLM CBL CYN CY CL CD CA CAB MACH ALPHA 10

COEFFICIENTS: IDPVAR(1) IDPVAR(2) NDV

α or β SCHEDULES

dE = 80° to 100°

*THESE RUNS HAD #60 GRIT FOR TRIP STRIPS IN LIEU OF # 54

NOTE. #60 GRIT ALWAYS ON NOSE

TABLE III. TEST LaRC 8'TPT 655 DATA SET COLLATION SHEET (Continued)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS VALUES φ	PARAMETERS VALUES RN/FT X 10⁻⁶	PARAMETERS VALUES NOSE UP/DN	NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE 0.4	0.6	0.8	0.9	1.0	1.2	
RPS019	SRB W/O PROTUBERANCES	E	0	45	** MAX	UP	4	49	48	X	47	X	42	
20	& W/ BODY STRAKES			90	2.0		4	37	38	X	39	X	40	
21					3.6		1	36	X	X	X	X	X	
22					4.2		1	X	X	X	X	X	41	
23					5.1		1	X	35	X	X	X	X	
24				↓	5.5		1	X	X	X	34	X	X	
25	↓	↓		135	MAX		4	46	45	X	44	X	43	
26	SRB W/O PROTUBERANCES	A		0	MAX		6	120	121	122	119	*118	117	
27		B					6	116	115	114	113	*112	111	
28		C					6	102	103	101	104	94	93	
29		D				↓	6	98	100	99	97	96	95	
30		E					2	X	X	11	X	26	X	
31		F				DN	6	69	68	67	66	71	70	
32		G					6	78	79	77	76	75	74	
33		H					6	90	91	92	88	87	86	
34		I					6	156	158	157	155	154	153	} THESE DATA SET IDENTIFIERS HAD THRUST ATT. STRUCTURE MOUNTED
35		J					6	145	146	144	143	142	141	}
36		G					2	X	X	X	X	73	72	
37	↓	H	↓	↓	↓	↓	1	X	X	89	X	X	X	

PPS 1 BETA 7 Q(PSF) 13 CP1 19 CP2 25 CP3 31 CP4 37 43 49 55 61 MACH 67 ALPHA 75 76 6

RPS BETA, ICN, ICLM, ICBL, ICYN, ICY, ICL, ICD, ICA, ICAB, IMACH, IALPHA 10

COEFFICIENTS: αA = 0 to 20; αB = 20 to 40; αC = 40 to 60; αD = 60 to 80; αE = 80 to 100; αF = 80 to 100; αG = 100 to 120; αH = 120 to 140; αI = 140 to 160; αJ = 160 to 180. IDEPVAR(1) IDEPVAR(2) NDV

α or β SCHEDULES

* RN/FT FOR RUNS 112 & 118 REDUCED TO 4.9 X 10⁶ (FROM 5.2X10⁶)

** WHERE RN/FT = MAX, USE TABLE II TO DETERMINE MAX RN/FT FOR EACH MACH

TABLE III. TEST LaRC 8'TPT 655 DATA SET COLLATION SHEET

☐ PRE-TEST

☒ POST-TEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS · VALUES				NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE 0.4	0.6	0.8	0.9	1.0	1.2	TEST RUN NUMBERS
RPS038	SRB W/ ELECT. TUNNEL AND	A	0	45	MAX	UP		3	X	137	X	136	X	135	
39	THRUST ATTACHMENT	B	↓	↓	↓	↓		3	X	140	X	139	X	138	
40	↓	E				↓		3	X	52	X	51	X	50	
41		F				DN		3	X	63	X	62	X	61	
42		I				↓		3	X	170	X	169	X	168	
43		J		↓		↓		3	X	167	X	166	X	165	
44		A		90°		UP		3	X	125	X	124	X	123	
45		B						3	X	128	X	127	X	126	
46		C						3	X	107	X	106	X	105	
47		D						3	X	110	X	109	X	108	
48		E				↓		3	X	55	X	54	X	53	
49		F				DN		2	X	60	X	59	X	X	
50		G						3	X	81	X	80	X	82	
51		H						3	X	55	X	84	X	83	
52		I						3	X	160	X	161	X	159	
53		J		↓		↓			X	164	X	163	X	162	
54		A		135		UP		3	X	134	X	133	X	132	
55		B						3	X	131	X	130	X	129	
56		E				↓		3	X	58	X	57	X	56	
57	↓	F	↓	↓	↓	DN		2	X	65	X	64	X	X	

α or β SCHEDULES

TABLE III. TEST LaRC 8'TPT 655 DATA SET COLLATION SHEET (Concluded)

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES φ	Rt Vtl	Nose Up Vtl		NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE 0.4	0.6	0.8	0.9	1.0	1.2						
RPSC 8	SRB w/ ELECT. TUNNEL	I	0	135	MAX	dN	-	3	X	173	X	172	X	171						
59	& THRUST ATTACH.	S	0	"	"	"		3	X	176	X	175	X	174						
60	SRB w/o PROTUBERANCES	I	0	0	"	"		6	150	151	152	149	148	147	(BAL. LOOSE FOR RPS060)					

PPS	1BETA	7Q(PSF)	13CP1	19CP2	25CP3	31CP4	37	43	49	55	61MACH	67ALPHA	75	76
RPS	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB	MACH	ALPHA		10

COEFFICIENTS: → IDPVAR(1) IDPVAR(2) NDV

α or β SCHEDULES

TABLE IV. TEST LaRC 8'TPT 662 DATA SET COLLATION SHEET

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS VALUES Φ	RN/ft X10⁻⁶	NOSE UP/DN	NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.4	0.6	0.8	0.9	1.0	1.2
RPS 101	SRB w/o PROTUBERANCE	C	0	0	3.6	UP	3	22	(DATA SETS 023-029)	(DATA SETS 030-036)			
02		D				"	3	26					
03		G				"	3	29					
04		F				dN	3	32					
05		I				"	6	5			(DATA SETS 037-039)	(DATA SETS 040-042)	(DATA SETS 043-045)
06		L				UP	6	18					
07		M				dN	6	11					
08		C			↓	UP	1	23	← SWEEP OPPOSITE FROM RUN 22				
09	↓	I	↓	↓	6.1	dN	1			4 ← ONLY A FEW POINTS GOTTEN			
10	SRB w/o PROT. &	E	0	0	0.6	UP	3	60	58		59		
11	w/ #40 TRIP STRIPS				2.0		3	55	54		53		
12					3.6		1	56					
13					5.1		1		52				
14	↓		↓	↓	5.5	↓	1				51		

PPS 1BETA 7Q(PSF) 1EPI 19CP2 25CP3 31CP4 37 43 49 55 61MACH 67ALPHA 75 76

RPS BETA, IGN, ICA, ICLM, ICBL, ICY.N, ICY, ICD, L/D, ICAB, MACH, IALPHA, 10

IDPVAR(1) IDPVAR(2) NDV

COEFFICIENTS: dC = 40 to 60; dD = 60 to 80; dE = 80 to 100; dF = 80 to 100;
α or β SCHEDULES: dI = 140 to 160; dL = 30 to 50; dM = 130 to 150

NOTE: #56 GRIT ALWAYS ON NOSE OF MODEL

TABLE IV. TEST LaRC 8'TPT 662 DATA SET COLLATION SHEET (Continued)

☐ PRETEST

☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ	PARAMETERS/VALUES Mn/Ls X10	PARAMETERS/VALUES NOSE UP/DN	NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.4	0.6	0.8	0.9
RPS 115	SRB W/O PROT. & WITH	E	S	0	0.6	UP	3	41	40	X	39
116	# 25 TRIP STRIPS				0.9		3	44	43	X	42
117					1.6		3	47	46	X	45
118					2.0		3	38	37	X	36
119					2.9		1	48	X	X	X
120					3.6		3	35	50	X	49
121					5.1		1	X	34	X	X
122		↓			5.5		1	X	X	X	33
123	SRB W/O PROT	C			5.1		1	X	21	X	X
124		D					1	X	25	X	X
125		E				↓	1	X	28	X	X
126		F				DN	1	X	31	X	X
127		I				"	1	X	7	X	X
128		L				UP	1	X	19	X	X
129		M			↓	DN	1	X	13	X	X
130		C			5.1	UP	1	X	X	20	X
131		D			"	"	1	X	X	24	X
132	↓	E	↓	↓	"	"	1	X	X	27	X

PPS 1BETA 7BCPSF) 13CP1 19CP2 25CP3 31CP4 37 43 49 55 61MACH 67ALPHA 75 76

RPS BETA, ICN, ICA, ICLM, ICBL, ICYN, ICY, ICD, L/D, ICAB, MACH, ALPHA | 12

COEFFICIENTS: $\Delta E = 80$ to 100 | IDPVAR(1) | IDPVAR(2) | NDV

α or β SCHEDULES

TABLE IV. TEST LaRC 8'TPT 662 DATA SET COLLATION SHEET (Concluded)

☐ PRETEST
☑ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS VALUES Φ	PARAMETERS VALUES RN/P	PARAMETERS VALUES NOSE UP/DN	NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE 0.8	0.9	1.0	1.2
RPS133	SRB w/o Prot.	F	0	0	6.1	dN	1	30	XX	XX	XX
34		I				"	1	6	XX	XX	XX
35		L				Up	1	17	XX	XX	XX
36		M				dN	1	12	XX	XX	XX
37		I			5.5	"	1	XX	3	XX	XX
38		L			"	Up	1	XX	16	XX	XX
39		M			"	dN	1	XX	10	XX	XX
40		I			4.9	"	1	XX	XX	2	XX
41		L			"	Up	1	XX	XX	15	XX
42		M			"	dN	1	XX	XX	9	XX
43		I			4.2	"	1	XX	XX	XX	1
44		L			"	"	1	XX	XX	XX	14
45		M			"	Up	1	XX	XX	XX	8

OPS 1BETA 7Q(PSF) 13CP1 19CP2 25CP3 31CP4 37 43 49 55 61MACH 67ALPHA 75 76 6

RPS BETA, KN, ICA, ICLM, ICBL, ICYN, ICY, ICD, L/D, ICAB, MACH, ALPHA, 10

COEFFICIENTS: IDPVAR(1) IDPVAR(2) NDV

α or β SCHEDULES

Table V. ANGLE-OF-ATTACK NOMENCLATURE

ANGLE-OF-ATTACK DESIGNATOR	APPROXIMATE ANGLE-OF-ATTACK RANGE
A	-0 to 20°
B	20 to 40°
C	40 to 60°
D	60 to 80°
E	80 to 100°
F	80 to 100°
G	100 to 120°
H	120 to 140°
I	140 to 160°
J	160 to 180°
L	30 to 50°
M	130 to 150°

Table VI. IDENTIFICATION OF RUNS FROM TEST 655 THAT WERE REPEATED DURING TEST 662

	LaRC 8'TPT 655		LaRC 8'TPT 662	
MACH NUMBER	RUN NO.	DATA SET IDENTIFIER	RUN NO.	DATA SET IDENTIFIER
0.4	102	RPS028	22	RPS101
0.4	98	RPS029	26	RPS102
0.4	2	RPS030	29	RPS103
0.4	69	RPS031	32	RPS104
0.4	156	RPS034	5	RPS105
0.6	103	RPS028	21	RPS123
0.6	100	RPS029	25	RPS124
0.6	1	RPS030	28	RPS125
0.6	68	RPS031	31	RPS126
0.6	158	RPS034	7	RPS127
0.8	101	RPS028	20	RPS130
0.8	99	RPS029	24	RPS131
0.8	11	RPS030	27	RPS132
0.8	67	RPS031	30	RPS133
0.8	157	RPS034	6	RPS134
0.9	155	RPS034	3	RPS137
1.0	154	RPS034	2	RPS140
1.2	153	RPS034	1	RPS143

Table VII. DATA SET IDENTIFIER CODING

- Test 8TPT 655

DATA SET IDENTIFIER	α	ϕ	STK	ELETUN	GROUP DATA SET IDENTIFIER
RPS026	A	0	NO	NO	
RPS027	B				BPSS26
RPS028	C				
RPS029	D				BPSS29
RPS030	E				
RPS031	F				BPSS31
RPS032	G				
RPS033	H				
RPS034	I				BPSS34
RPS035	J				
RPS036	G				
RPS038	A	45		YES	BPSS38
RPS039	B				
RPS040	E				
RPS041	E				BPSS41
RPS042	I				
RPS043	J				
RPS044	A	90			BPSS44
RPS045	B				
RPS046	C				
RPS047	D				BPSS47
RPS048	E				
RPS049	F				BPSS49
RPS050	G				
RPS051	H				
RPS052	I	90			BPSS52
RPS053	J				
RPS054	A	135			BPSS54
RPS055	B				
RPS056	E				
RPS057	F				BPSS57
RPS058	I				
RPS059	J				
RPS026	A	0			BPSS01
RPS027	B				
RPS028	C				
RPS029	D				
RPS030	E				
RPS031	F				
RPS032	G				
RPS033	H				
RPS034	I				
RPS035	J				

Table VII. (Concluded)

DATA SET IDENTIFIER	α	ϕ	STK	ELETUN	GROUP DATA SET IDENTIFIER
RPS038	A	45	NO	YES	
RPS039	B				
RPS040	E				BPSS02
RPS041	F				
RPS042	I				
RPS043	J				
RPS044	A	90			
RPS045	B				
RPS046	C				
RPS047	D				BPSS03
RPS048	E				
RPS049	F				
RPS050	G				
RPS051	H				
RPS052	I				
RPS053	J				
RPS054	A	135			
RPS055	B				
RPS056	E				BPSS04
RPS057	F				
RPS058	I				
RPS059	J				
RPS030	E	0		NO	BPSA30
RPS021	E	90°	YES	NO	BPSA21 (use run with max R_N for grouping in BPSA21)
RPS022					
RPS023					
RPS024					

NOTE: All other data set identifiers are not grouped for plotting purposes

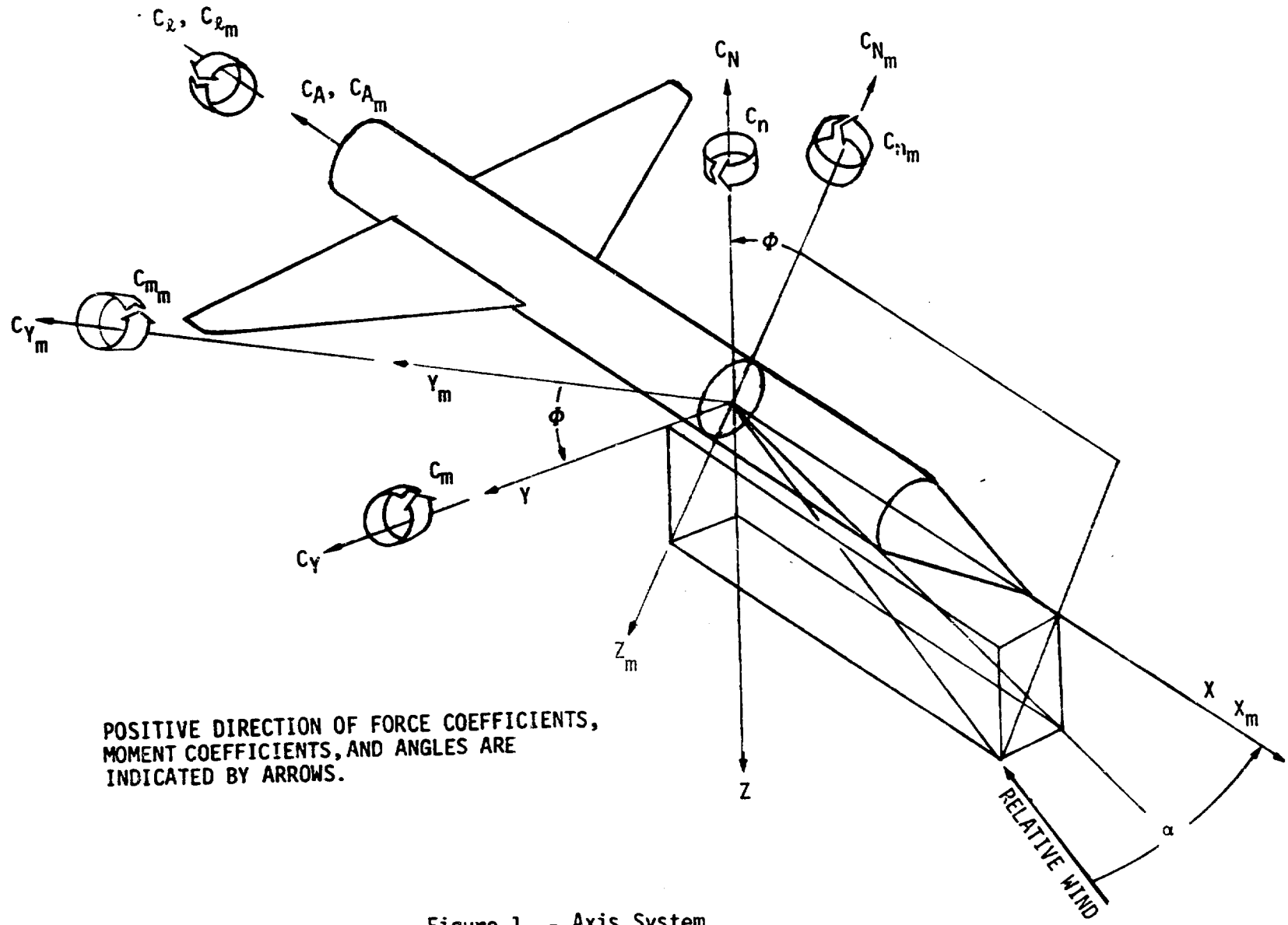
- Test 8'TPT 662

RPS101	C	0	NO	NO	
RPS102	D				BPSS01
RPS103	E				
RPS104	F				BPSS02
RPS105	I				
RPS123	C				
RPS124	D				BPSS03
RPS125	E				
RPS126	F				BPSS04
RPS127	I				
RPS130	C				
RPS131	D				BPSS05
RPS132	E				
RPS133	F				BPSS06
RPS134	I				

NOTE: All other data set identifiers are not grouped for plotting purposes

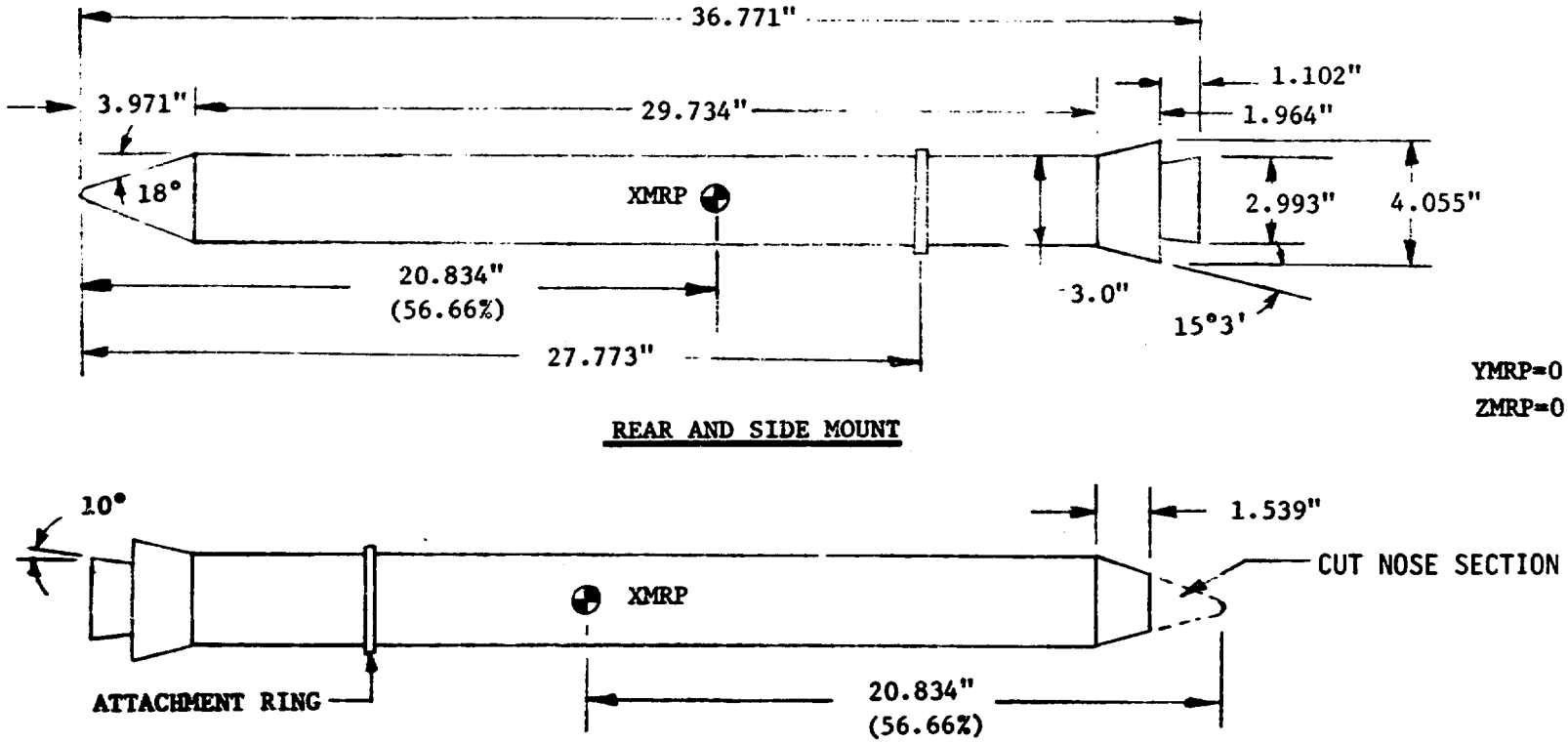
Table VIII. IDENTIFICATION OF RUNS FROM TEST 655 THAT EXTENDED THE ANGLE OF ATTACK RANGE

MACH NUMBER	α RANGE	RUN NO.	DATA SET IDENTIFIER
0.4	30 to 50	18	RPS106
	130 to 150	11	RPS107
0.6	30 to 50	19	RPS128
	130 to 150	13	RPS129
0.8	30 to 50	17	RPS135
	130 to 150	12	RPS136
0.9	30 to 50	16	RPS138
	130 to 150	10	RPS139
1.0	30 to 50	15	RPS141
	130 to 150	9	RPS142
1.2	30 to 50	14	RPS144
	130 to 150	18	RPS145



POSITIVE DIRECTION OF FORCE COEFFICIENTS, MOMENT COEFFICIENTS, AND ANGLES ARE INDICATED BY ARROWS.

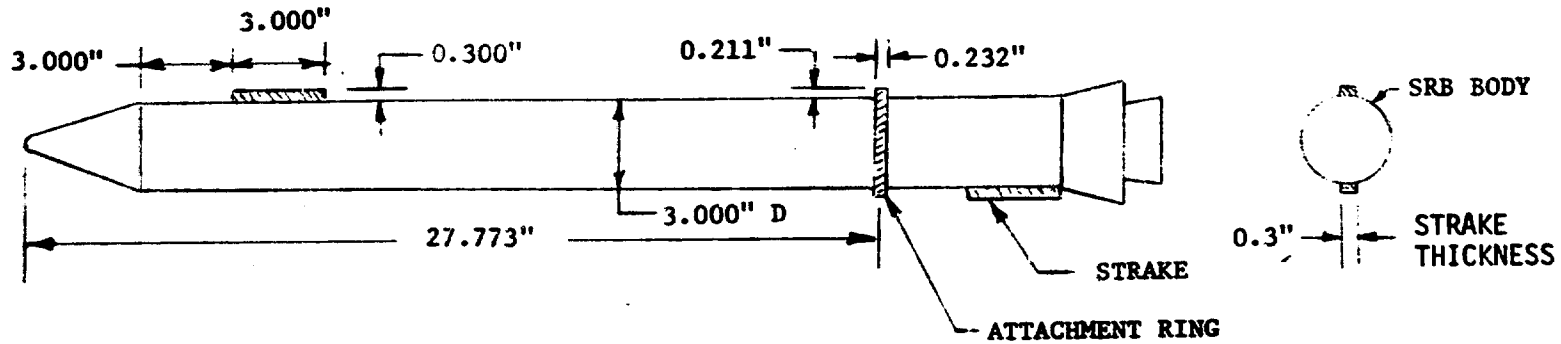
Figure 1. - Axis System



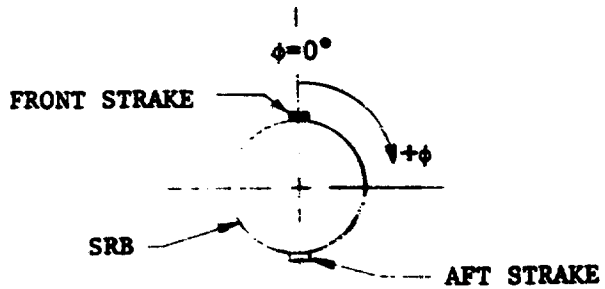
(SRB CONFIGURATION 139--MSFC MODEL #434)

(ENGINE SHROUD/NOZZLE SYMMETRIC WITH BODY)

Figure 2. 142-INCH DIAMETER SRB - 0.02112 SCALE MODEL



BODY STRAKES AND SRB/ET ATTACHMENT RING

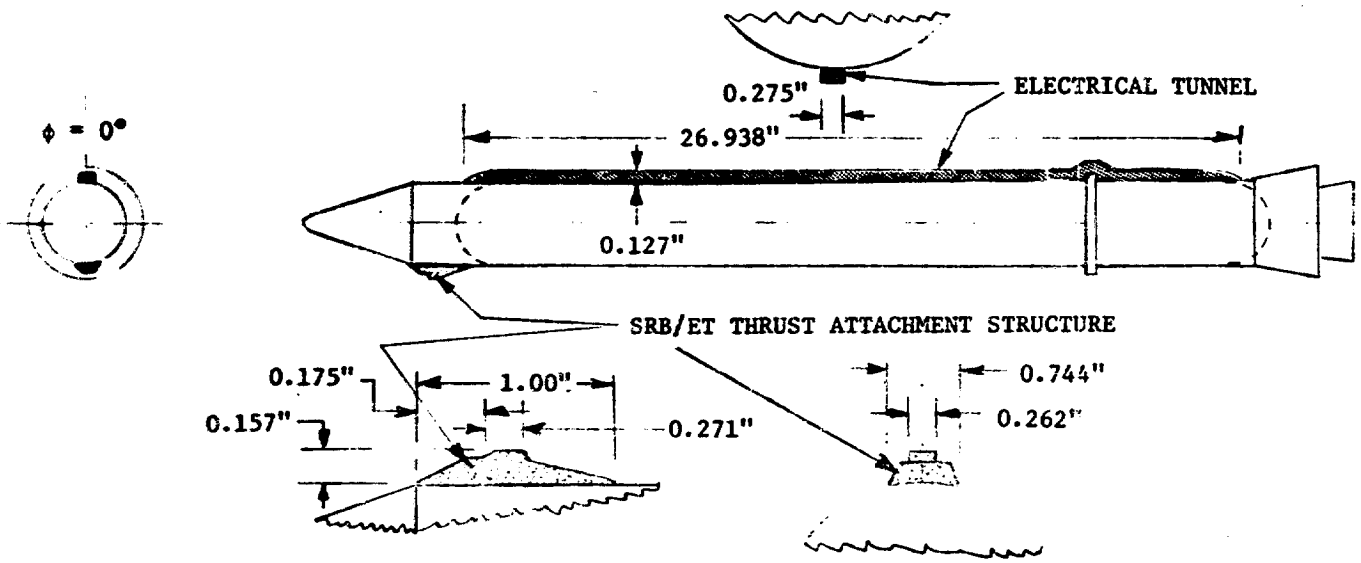


REAR VIEW

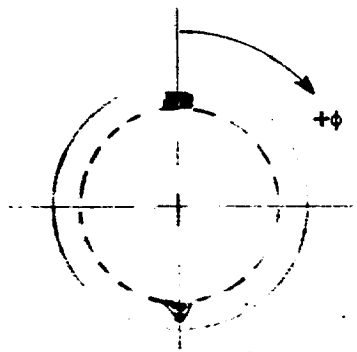
SIGN CONVENTION

ϕ = MODEL ROLL ANGLE

Figure 3. PROTUBERANCES USED ON 142-INCH SRB (MSFC MODEL #458)

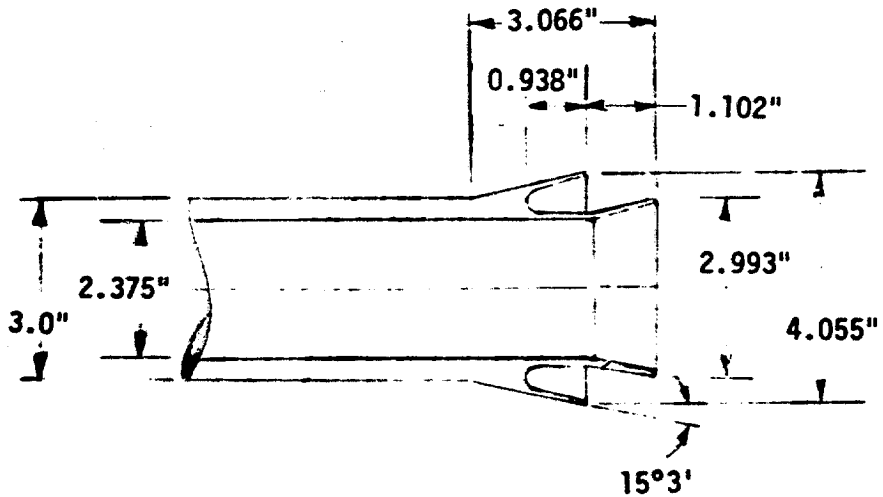


ELECTRICAL TUNNEL AND SRB/ET THRUST ATTACHMENT STRUCTURE

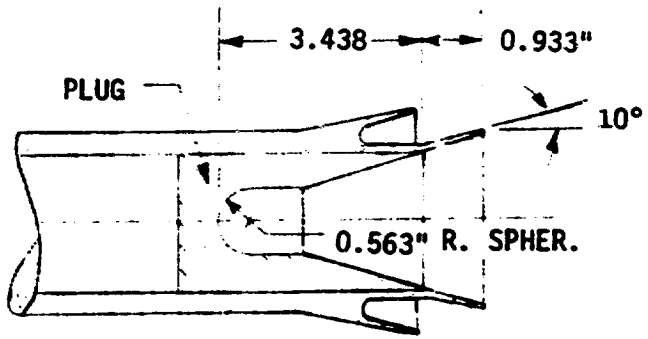


(REAR VIEW)
SIGN CONVENTION

Figure 4. ELECTRICAL TUNNEL AND SRB/ET THRUST ATTACHMENT STRUCTURE (MSFC MODEL #454)



WITHOUT PLUG
(α FROM -1° TO 40°)



"PLUGGED" TAIL SECTION
(NOSE AND SIDE MOUNTED)
(α FROM 40 TO 181°)

Figure 5. DETAILS OF SRB MODEL TAIL SECTION

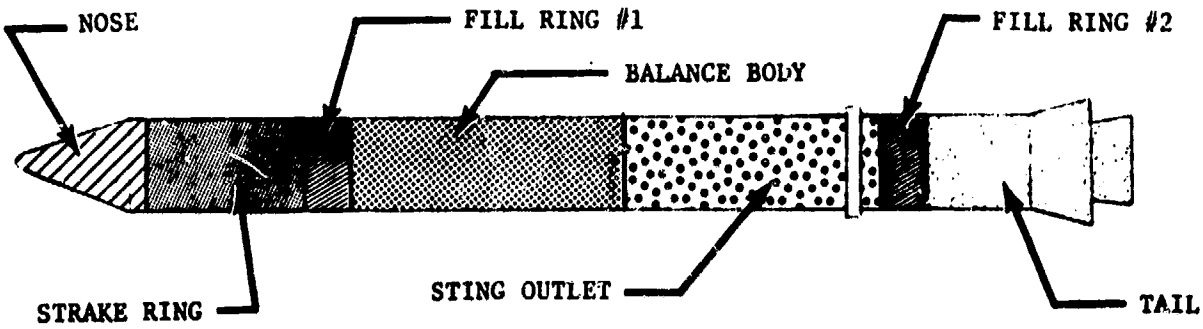


Figure 6. MAJOR MODEL SECTIONS FOR MODEL #454

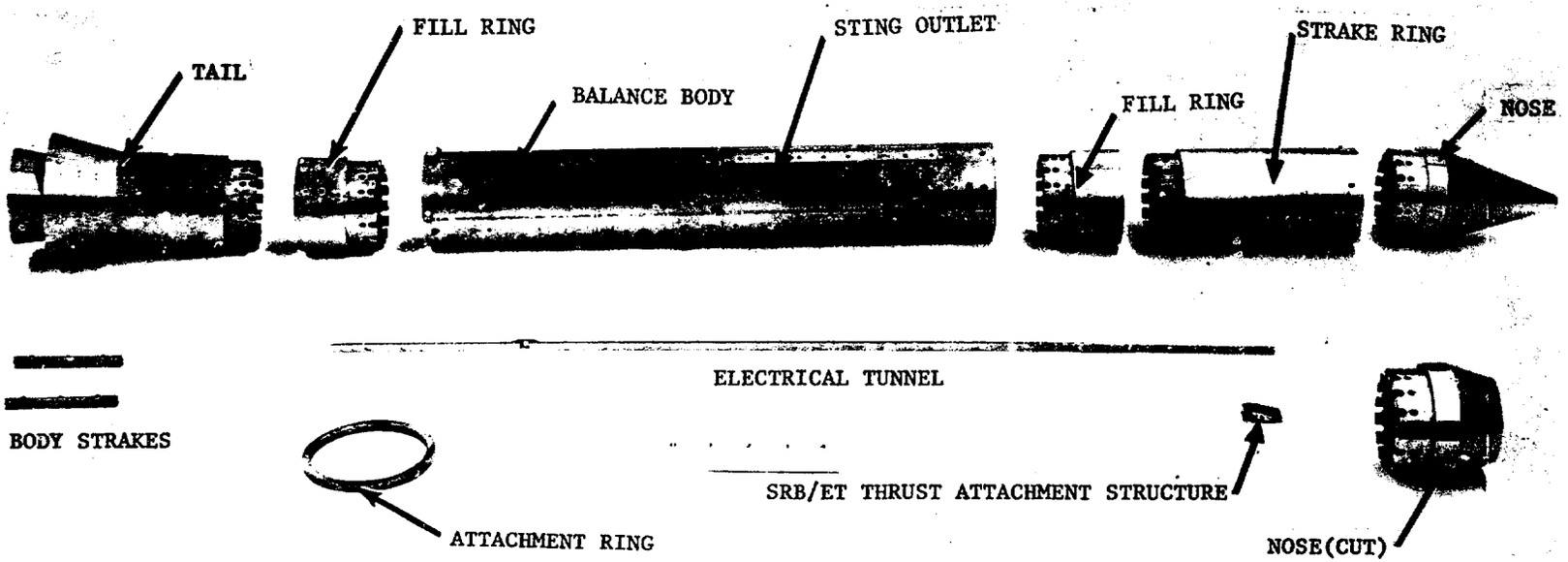


FIGURE 7. MODEL COMPONENTS USED IN LaRC 8'TPT 655 and 662 (MSFC MODEL 454)

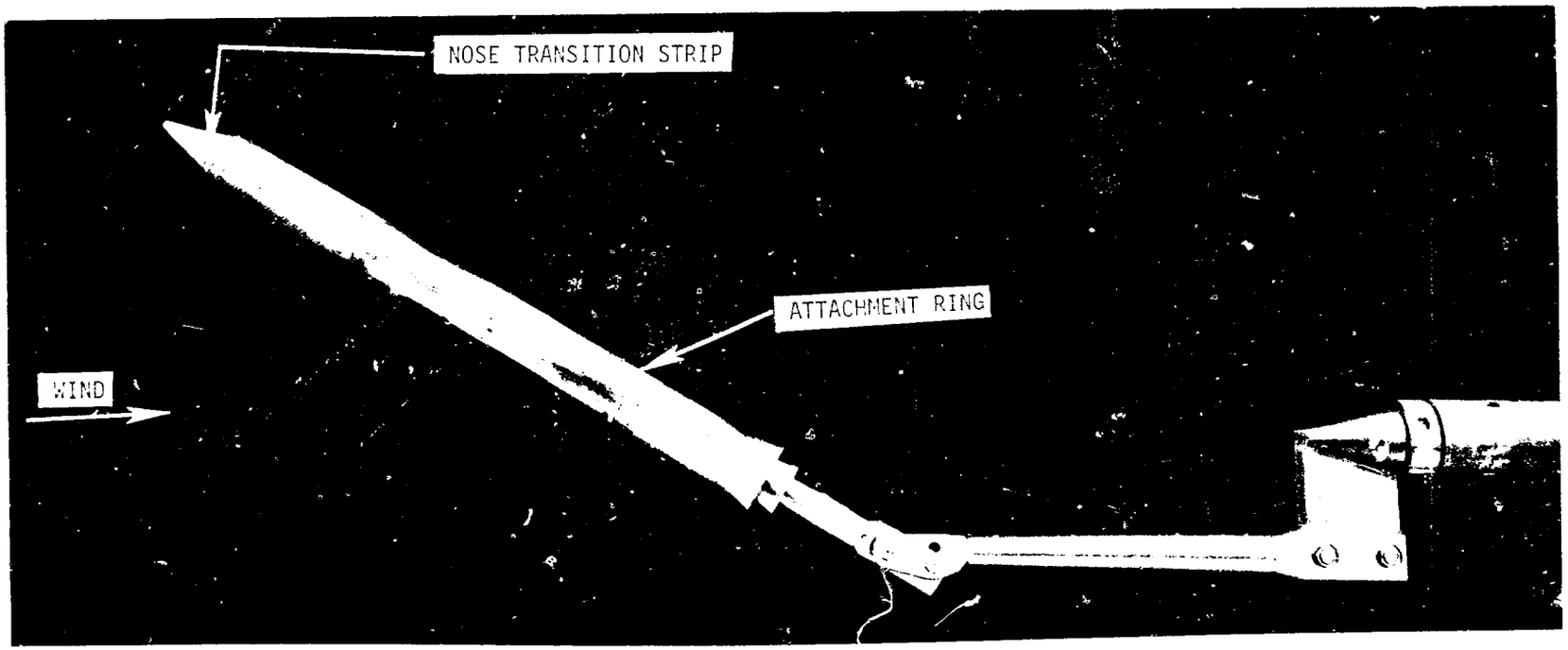


FIGURE 8. TUNNEL INSTALLATION OF SRB WITH ATTACHMENT RING @ RANGE OF -1° TO 40°

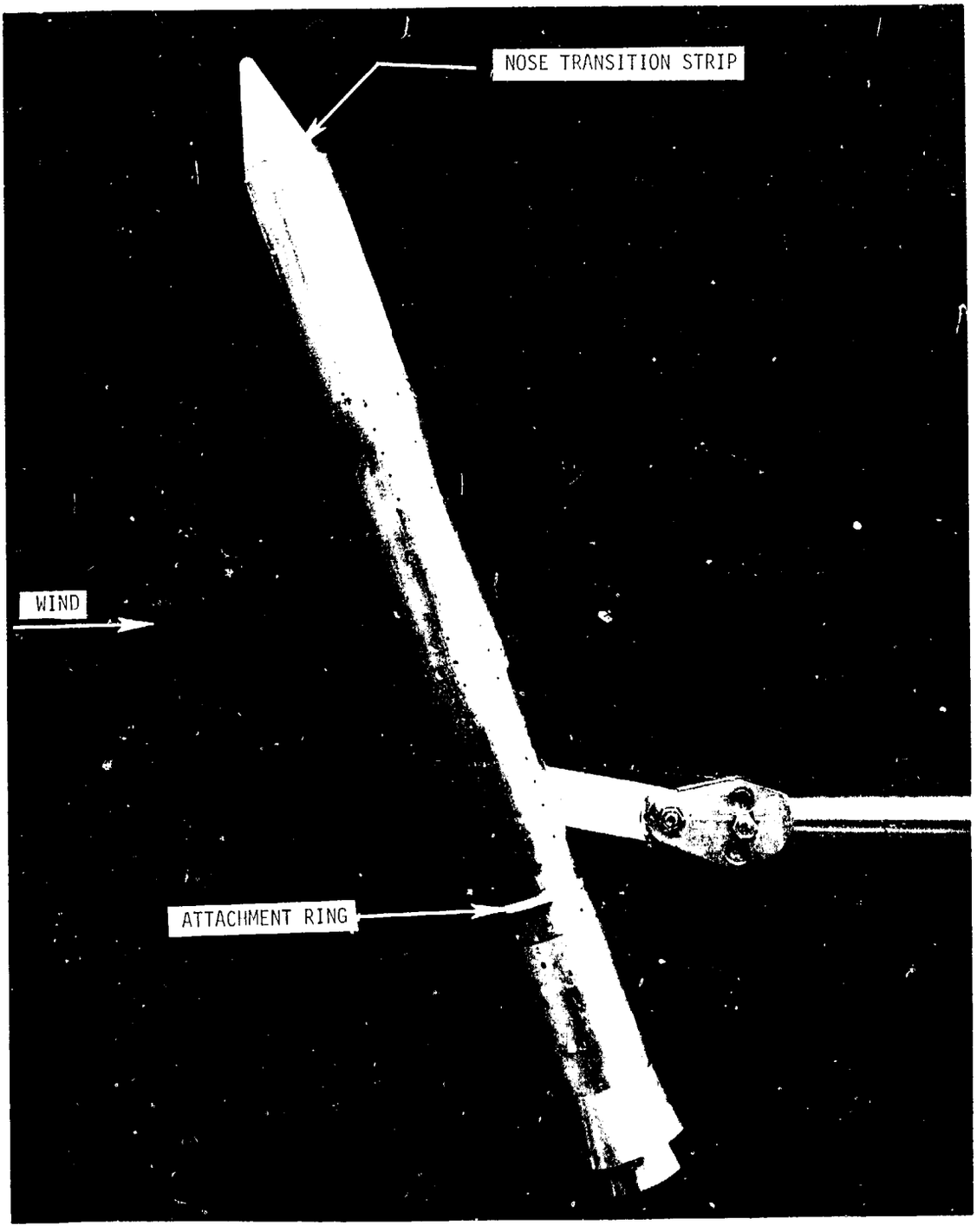


FIGURE 9. TUNNEL INSTALLATION OF SRB WITH ATTACHMENT RING @ RANGE 40° TO 100°

ORIGINAL PAGE IS
POOR QUALITY

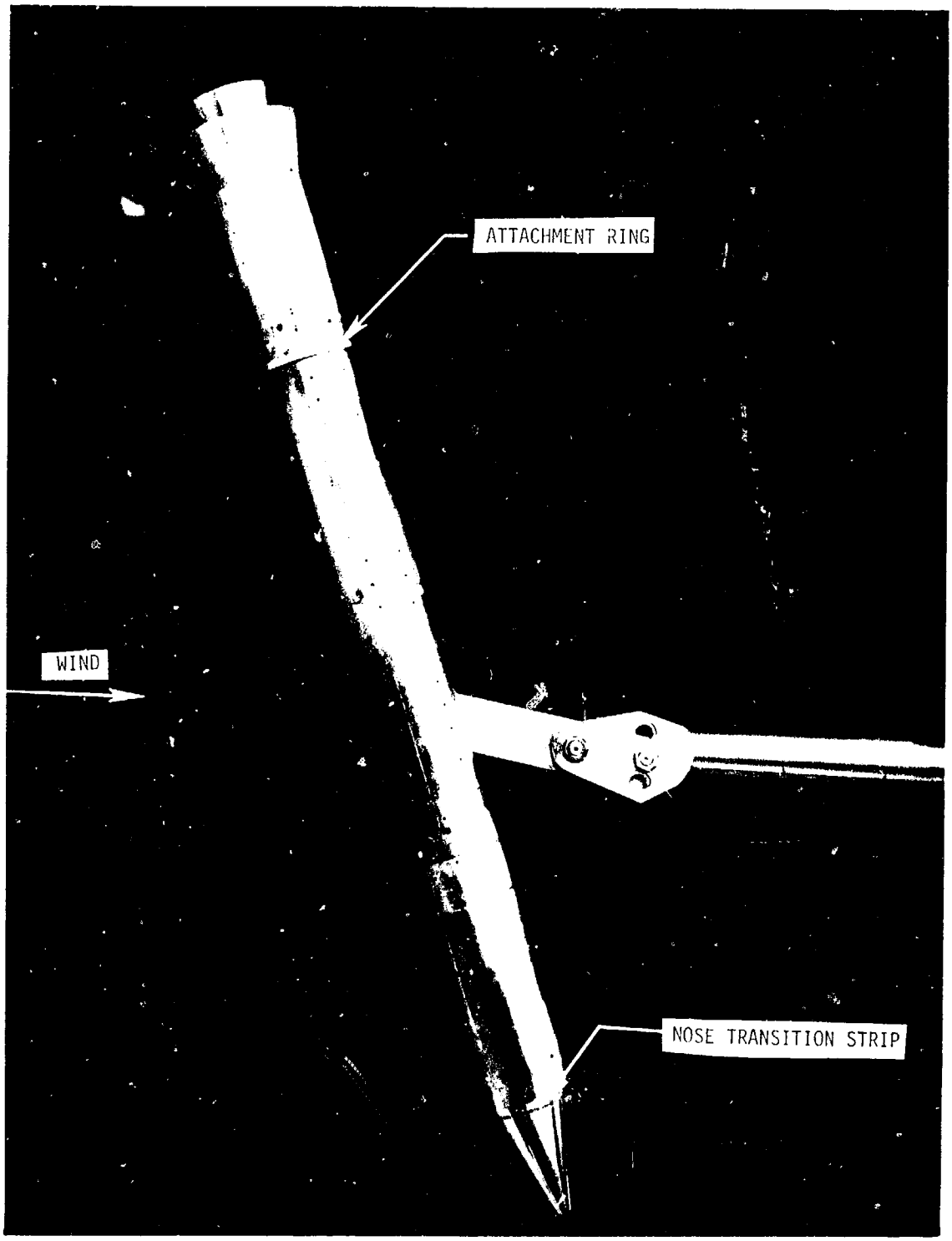


FIGURE 10. TUNNEL INSTALLATION OF SRB WITH ATTACHMENT RING @ RANGE 80° TO 140°

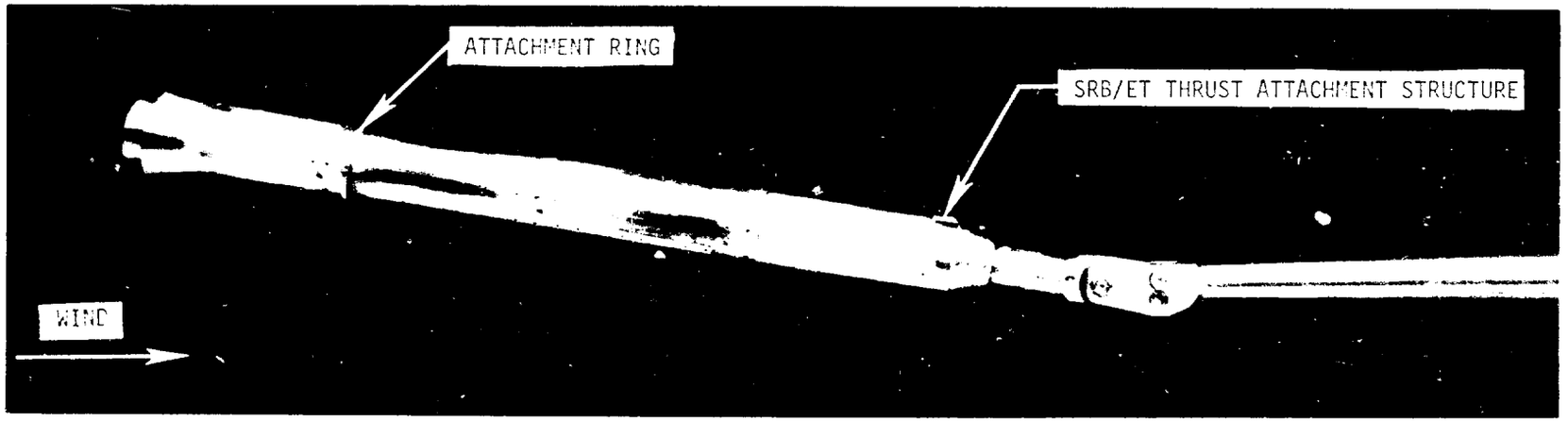


FIGURE 11. TUNNEL INSTALLATION OF SRB WITH ATTACHMENT RING @ RANGE 140° TO 181°

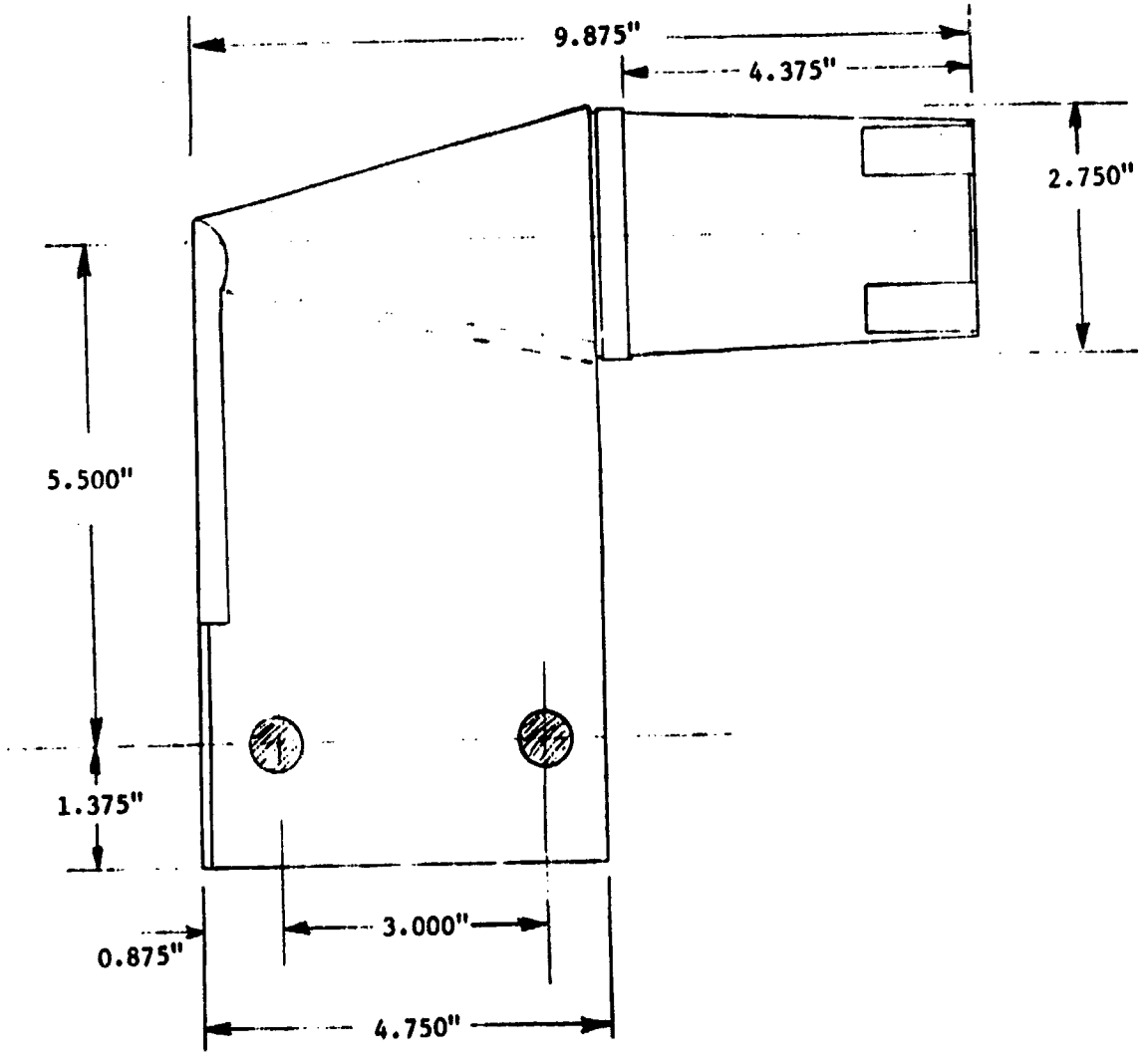
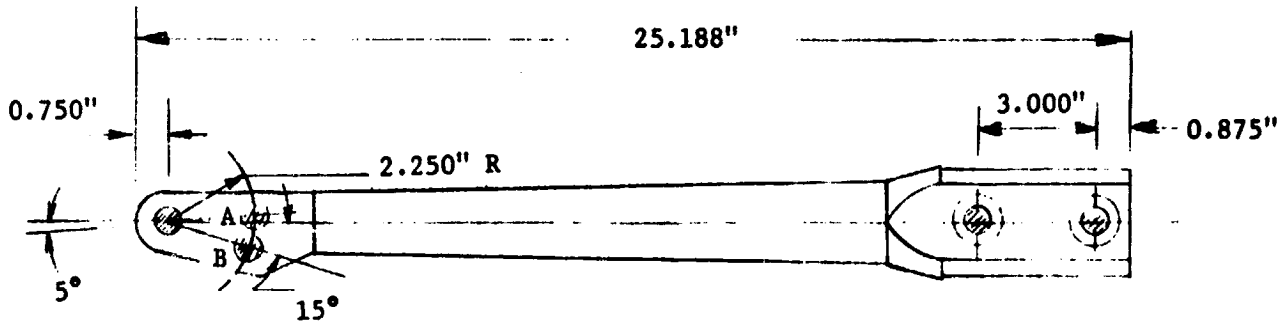
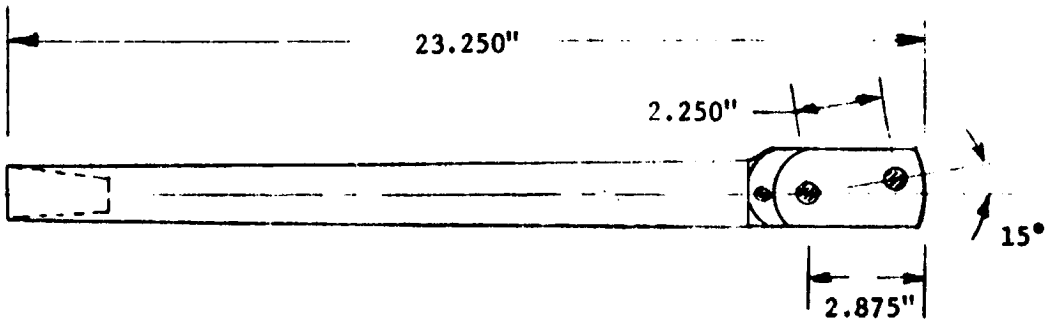


Figure 12. STING HOLDER (MSFC DRAWING 80M51175)
(α FROM 0 to 180°)

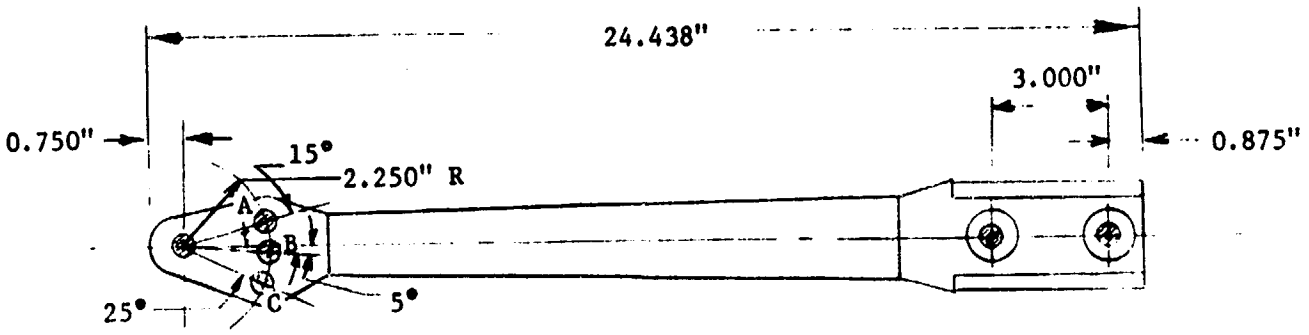


STRAIGHT STING (MATE) (MSFC DWG 80M51318)

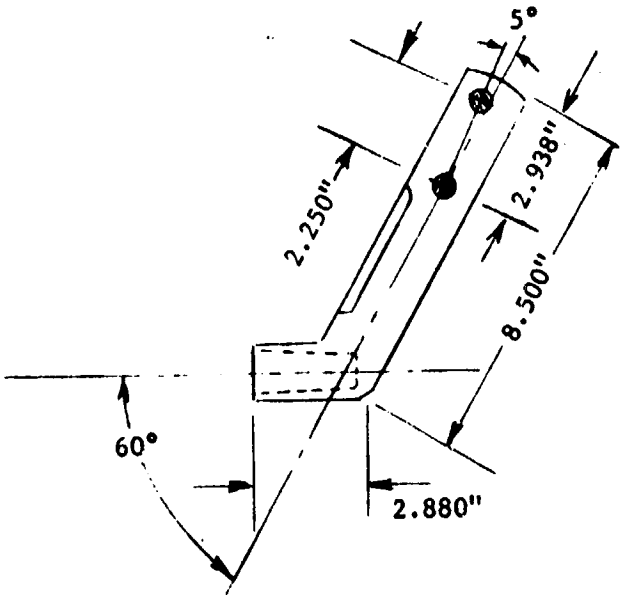


STRAIGHT STING (MODEL) (MSFC DWG 80M51316)

Figure 13. STINGS FOR α FROM 0 to 40° and 140 to 180°



OFFSET STING (60° MATE) (MSFC DWG 80M51319)



60° OFFSET STING (MODEL) (MSFC DWG 80M51317)

Figure 14. STINGS FOR α FROM 40 to 140°

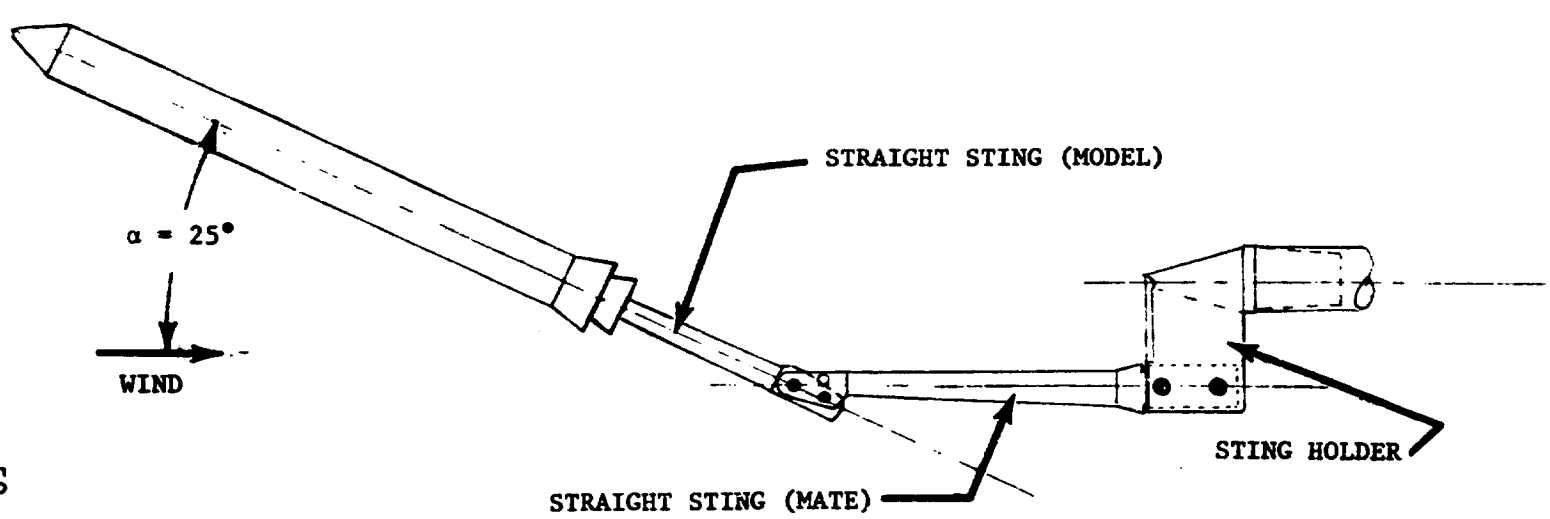


Figure 15. TYPICAL COMBINATION OF SUPPORT HARDWARE FOR AN ANGLE-OF-ATTACK RANGE OF 20 to 40°

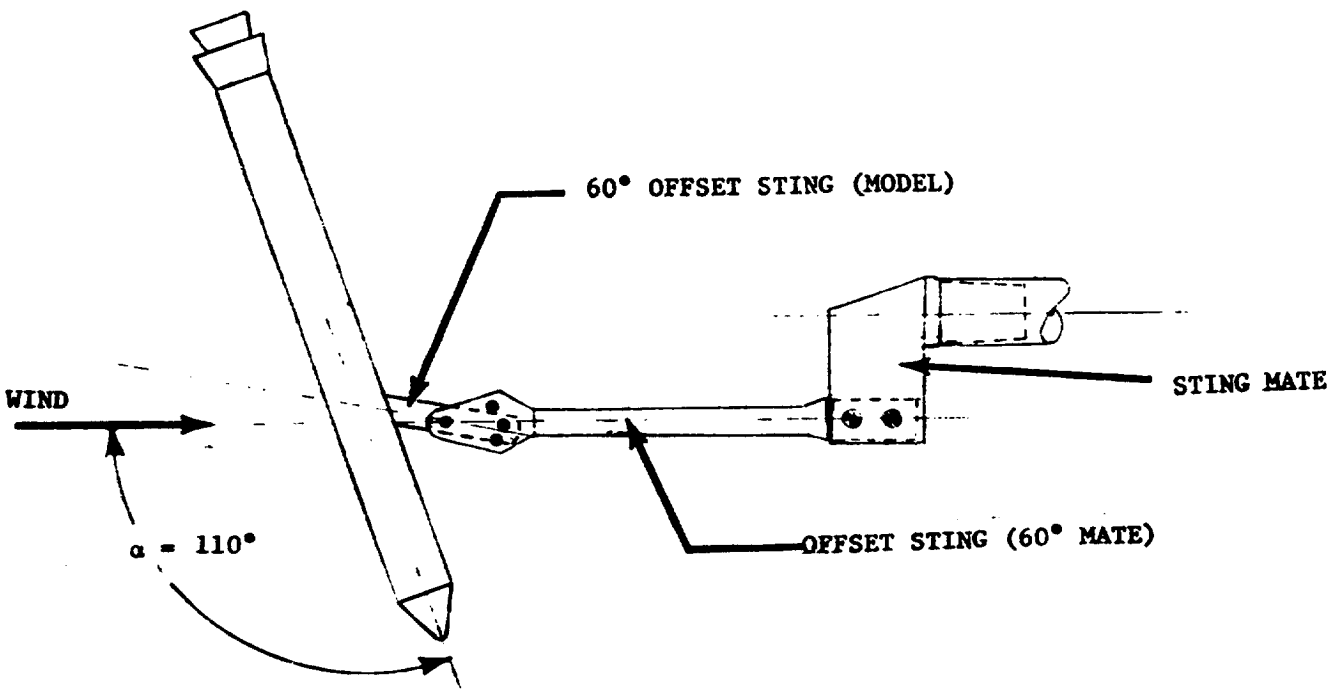
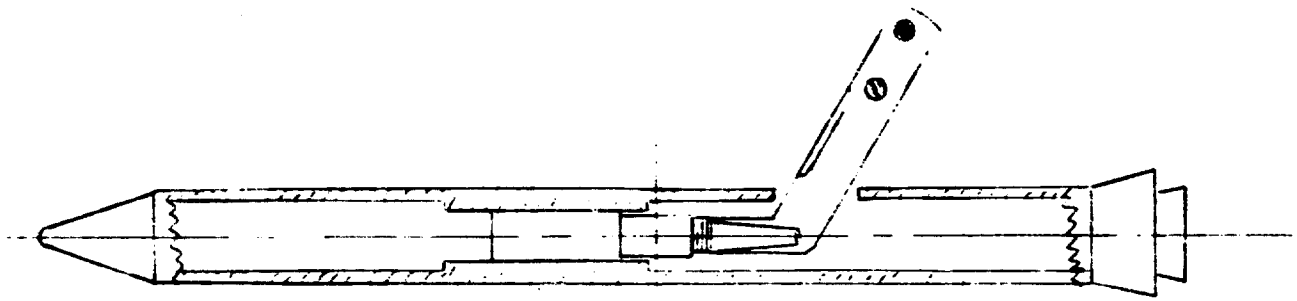
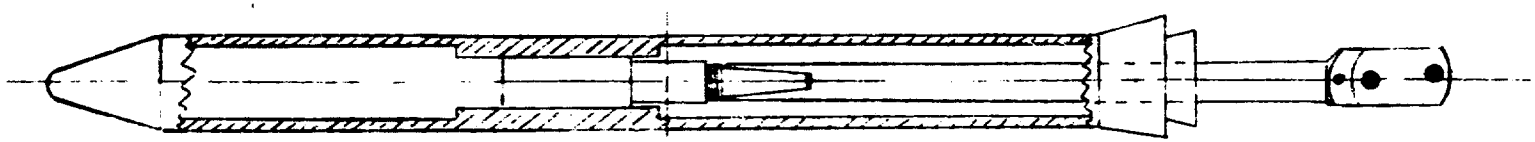


Figure 16. TYPICAL COMBINATION OF HARDWARE FOR AN ANGLE-OF-ATTACK RANGE 100 to 120°

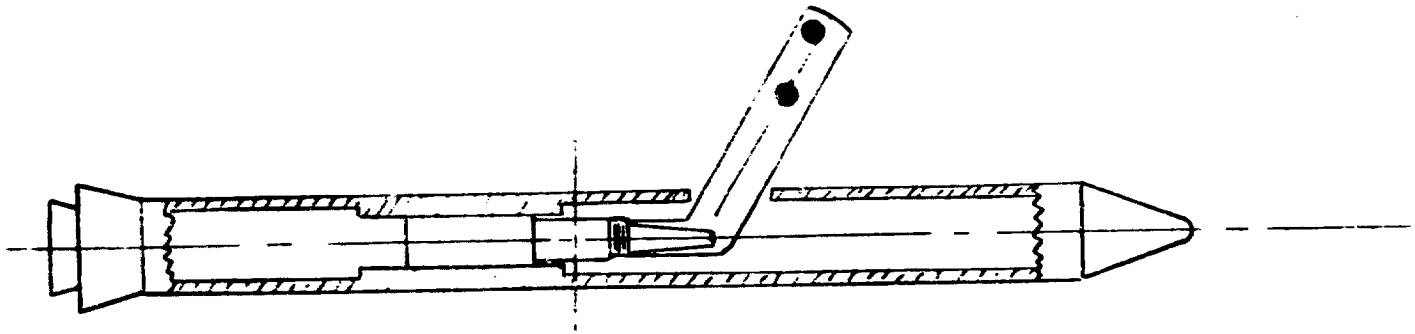


α = 40 to 100°

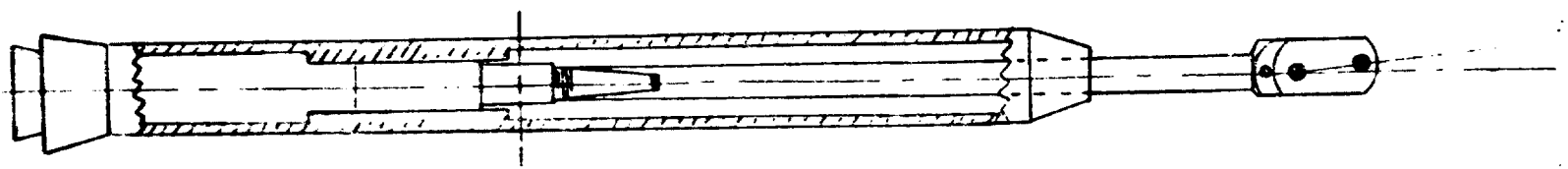


α = -1 to 40°

Figure 17. MOUNTING ARRANGEMENTS FOR ANGLE-OF-ATTACK 0 to 100 DEGREES (MSFC MODEL #454)



α = 80 to 140°



α = 140 to 181°

Figure 18. MOUNTING ARRANGEMENTS FOR ANGLE-OF-ATTACK 80 TO 180 DEGREES (MSFC MODEL #454)

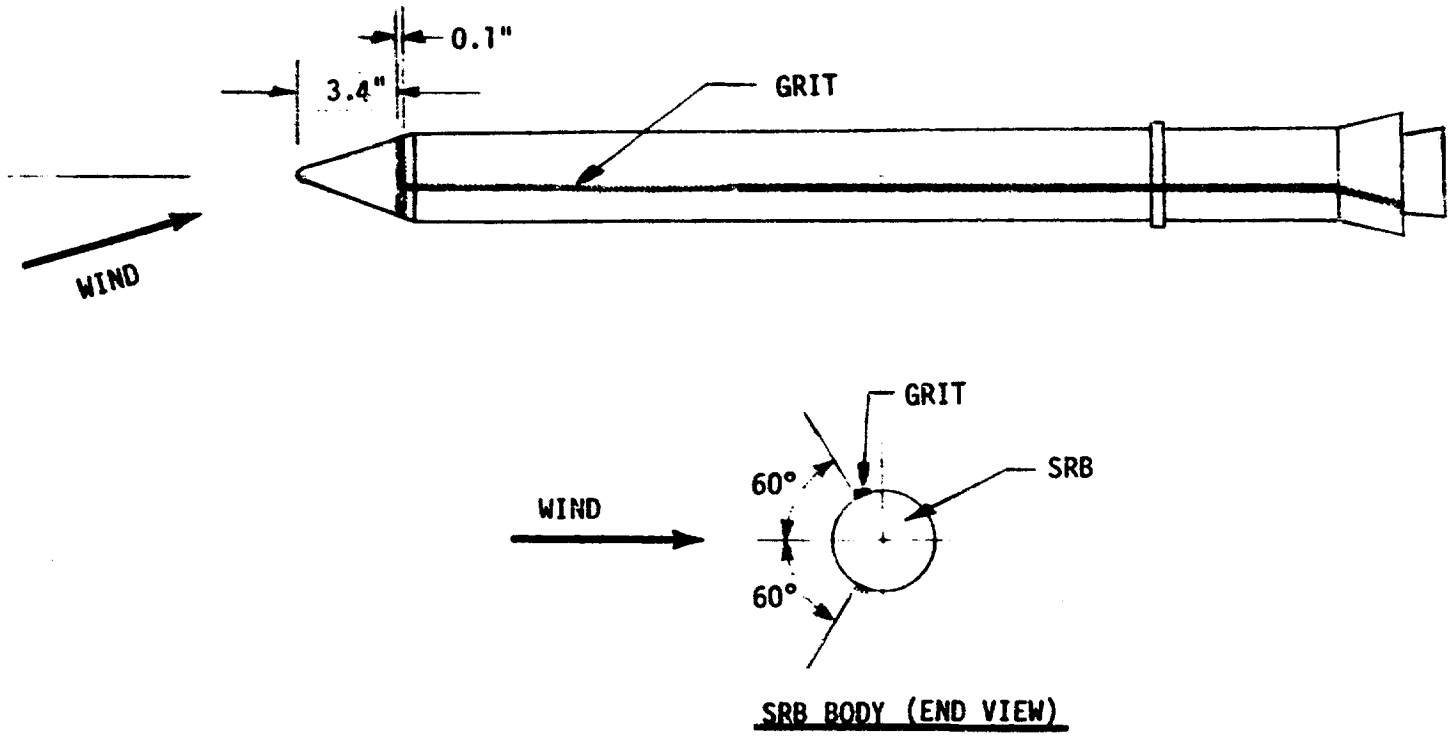


FIGURE 19. GRIT PATTERN USED IN LaRC WIND TUNNEL TEST 8'TPT 655 and 662

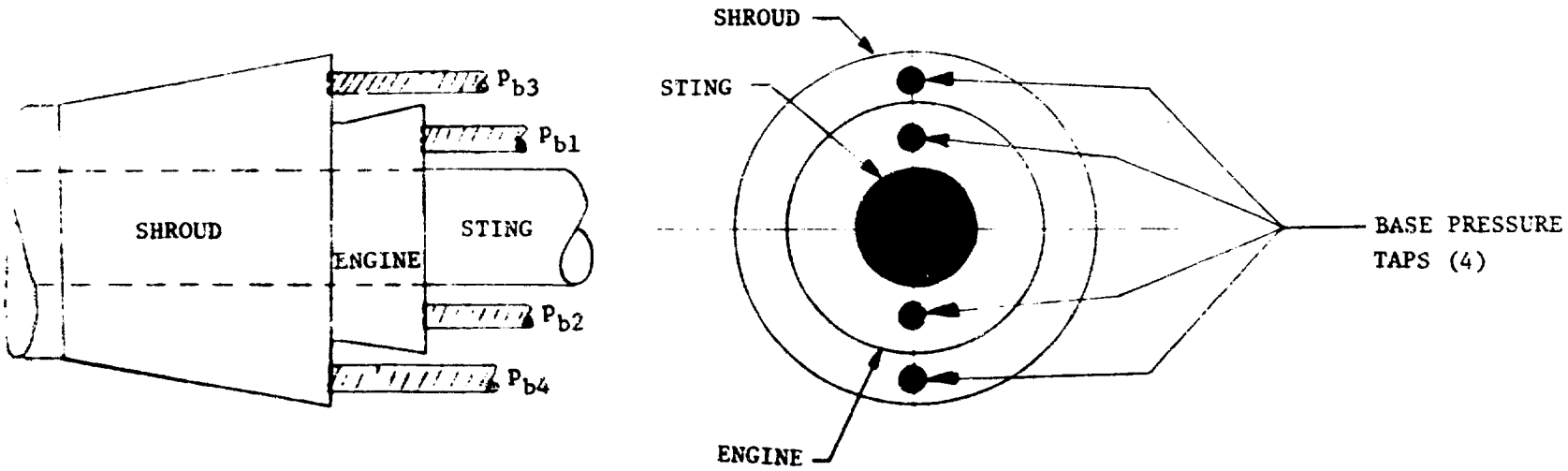


FIGURE 20. BASE PRESSURE TAP LOCATIONS FOR ANGLE-OF-ATTACK FROM -1 TO 40 DEGREES

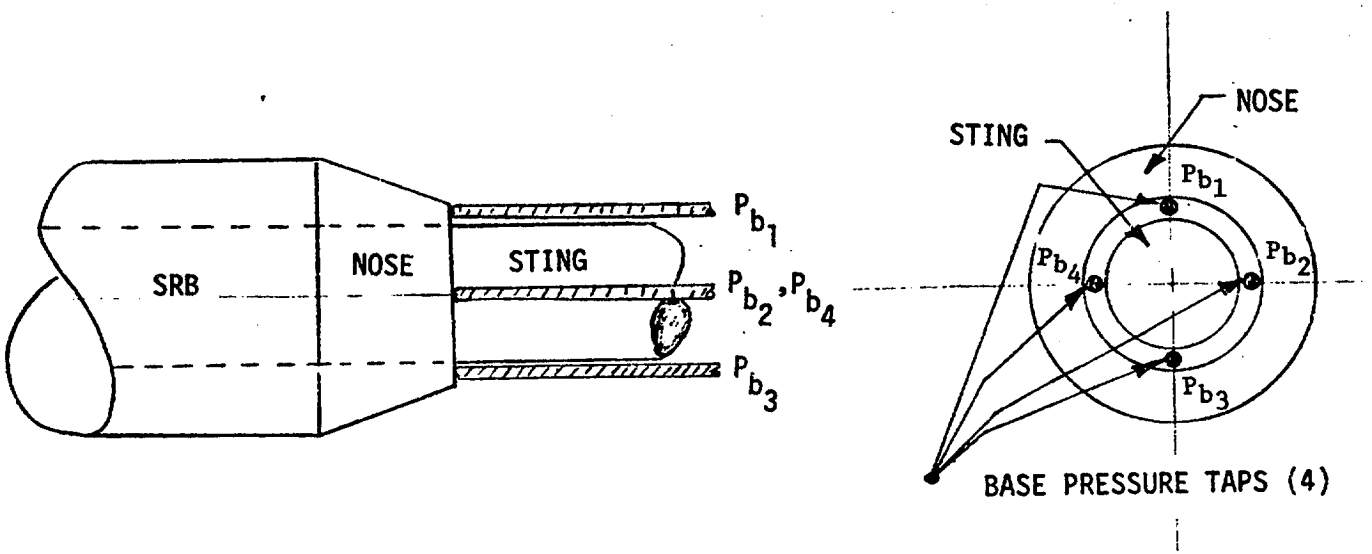


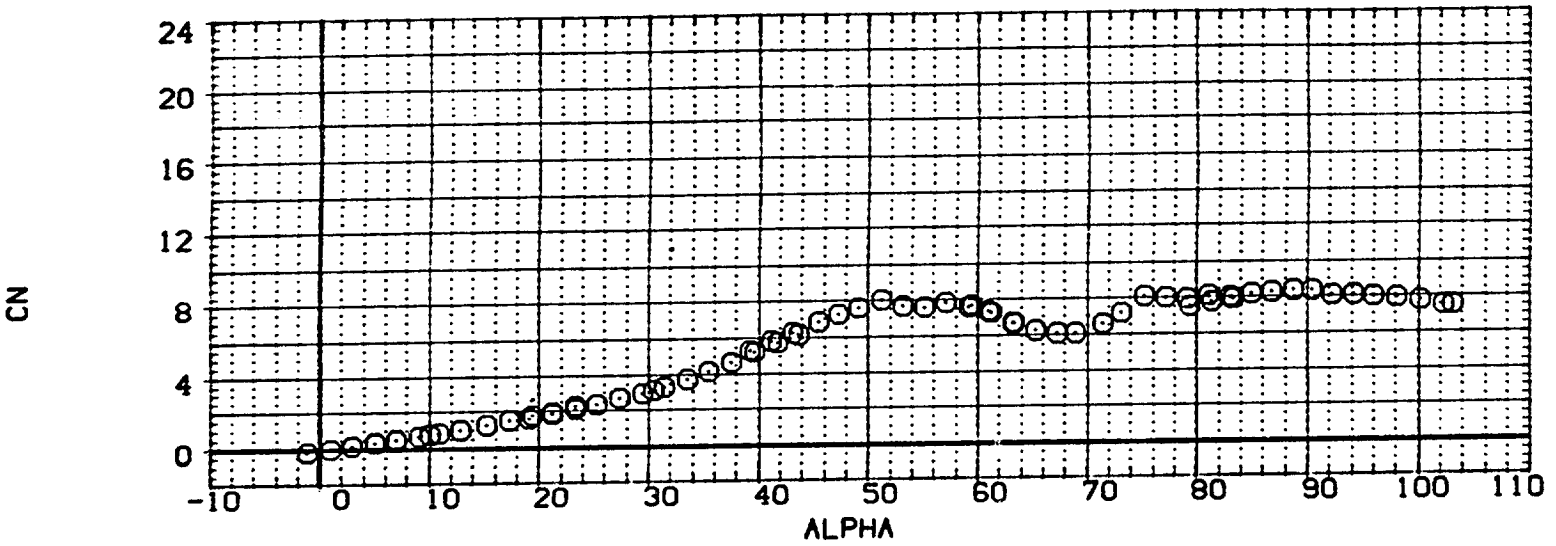
FIGURE 21. BASE PRESSURE TAP LOCATIONS FOR ANGLE-OF-ATTACK FROM 140 TO 181 DEGREES

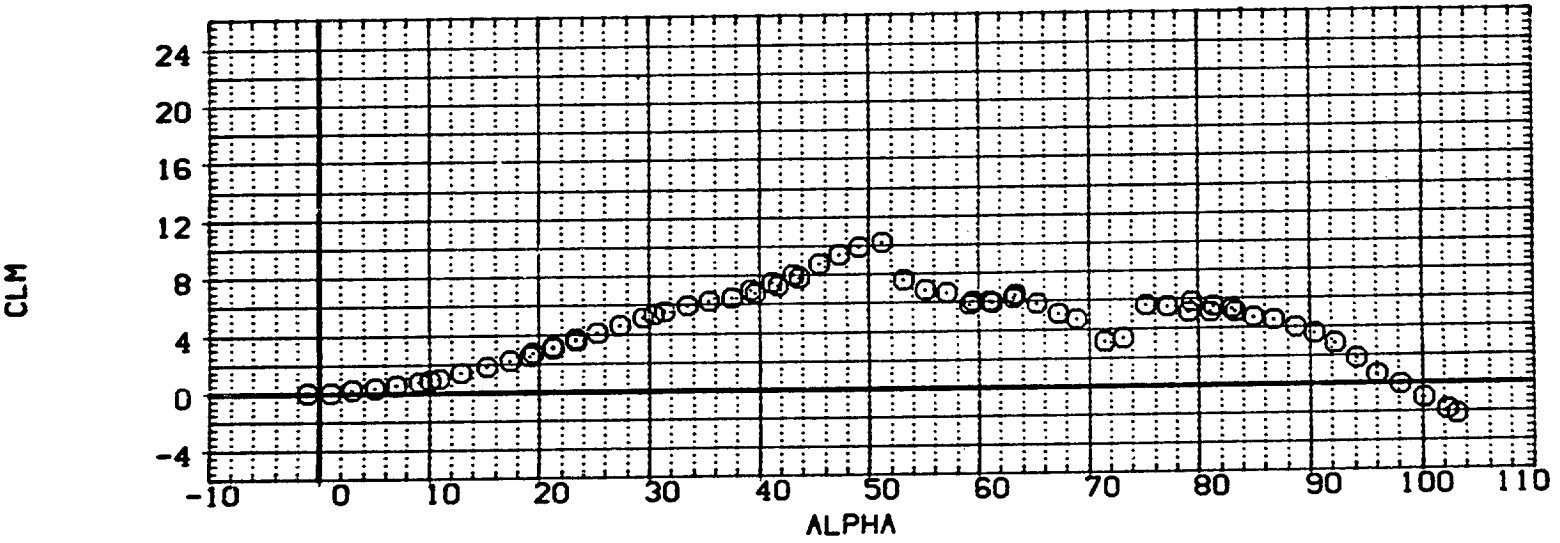
DATA FIGURES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
(BPSS26)	LARC BT: [illegible] SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS29)	LARC BT: [illegible] SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS38)	DATA NOT AVAILABLE	45.000	1.000	1.000
(BPSS44)	DATA NOT AVAILABLE	90.000	1.000	1.000
(BPSS47)	DATA NOT AVAILABLE	90.000	1.000	1.000
(BPSS54)	DATA NOT AVAILABLE	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





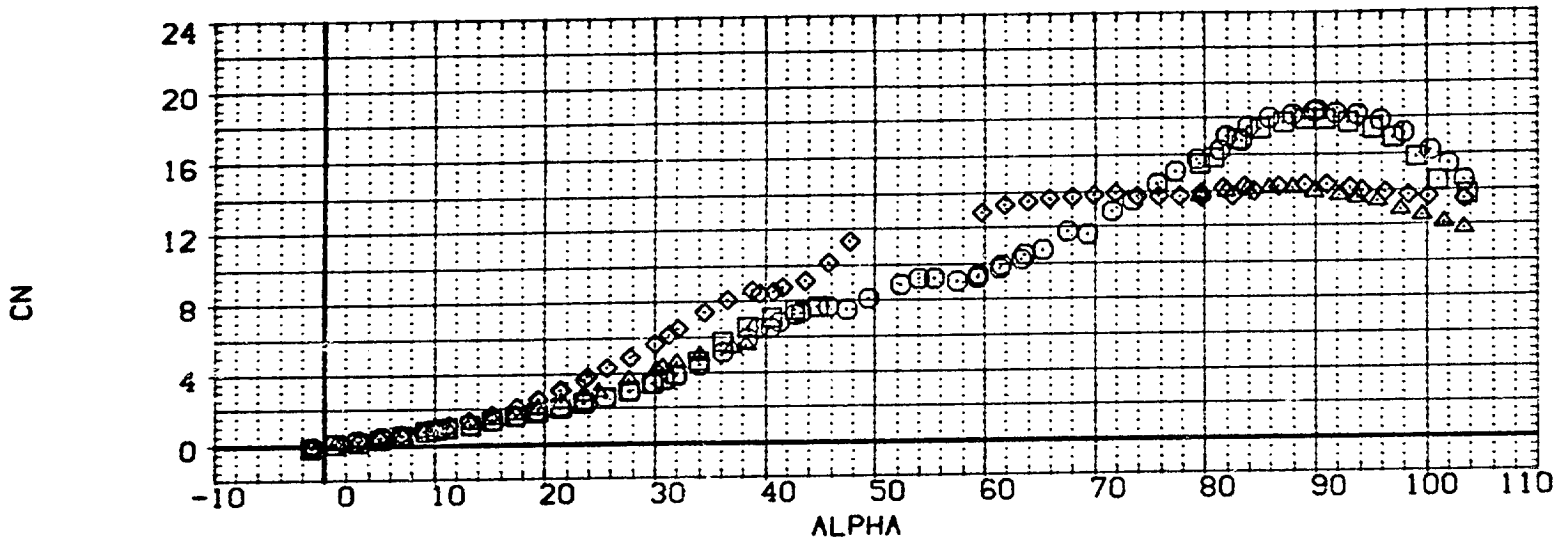
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

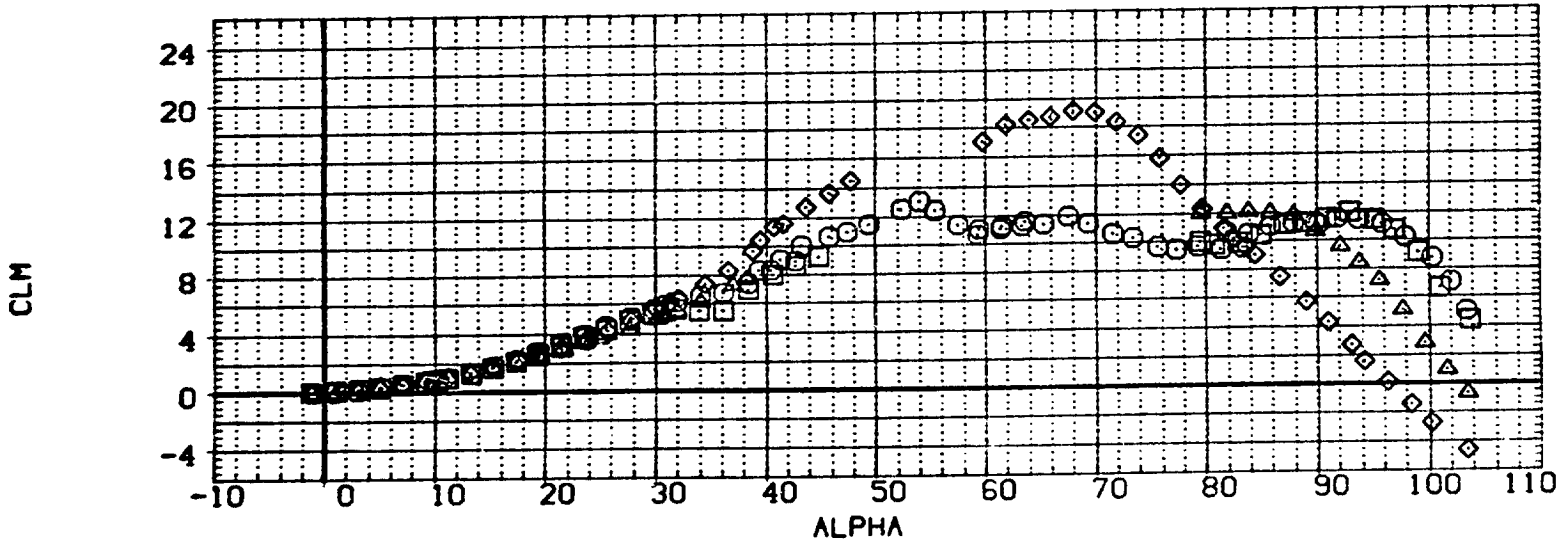
(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
(BPSS26)	○	LARC BTPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS29)	□	LARC BTPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS38)	◇	LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	45.000	1.000	1.000
(BPSS44)	◇	LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(BPSS47)	◇	LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(BPSS54)	△	LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

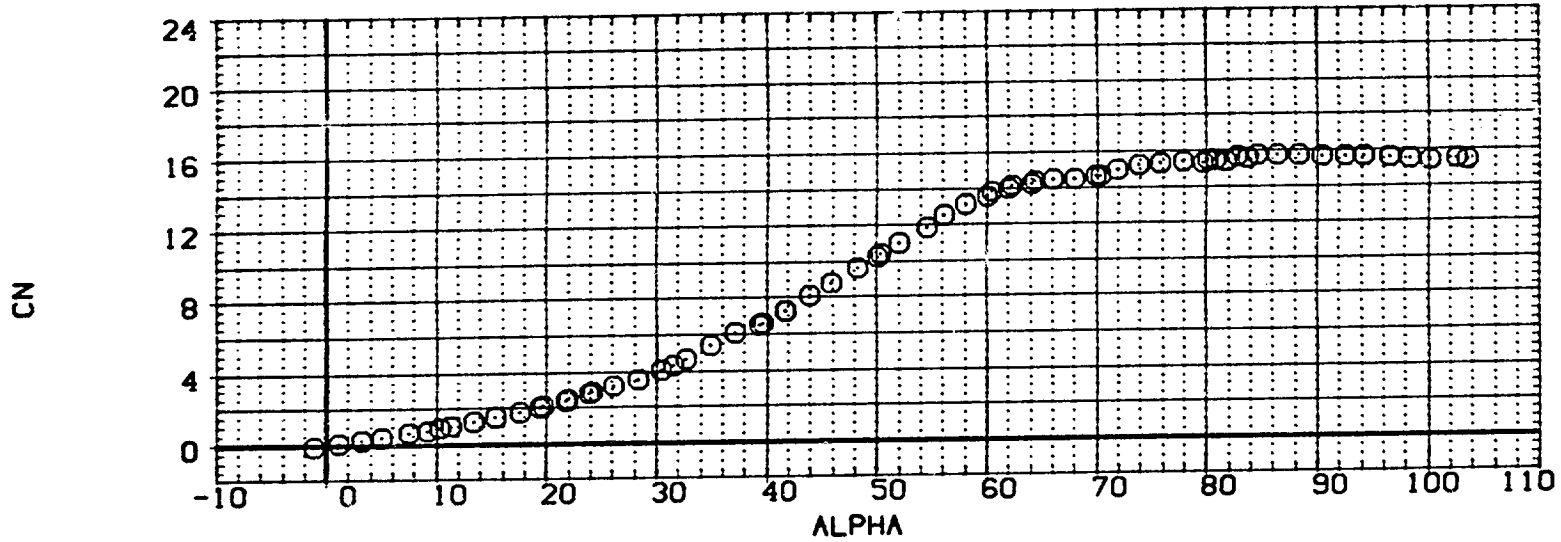
(B)MACH = .60

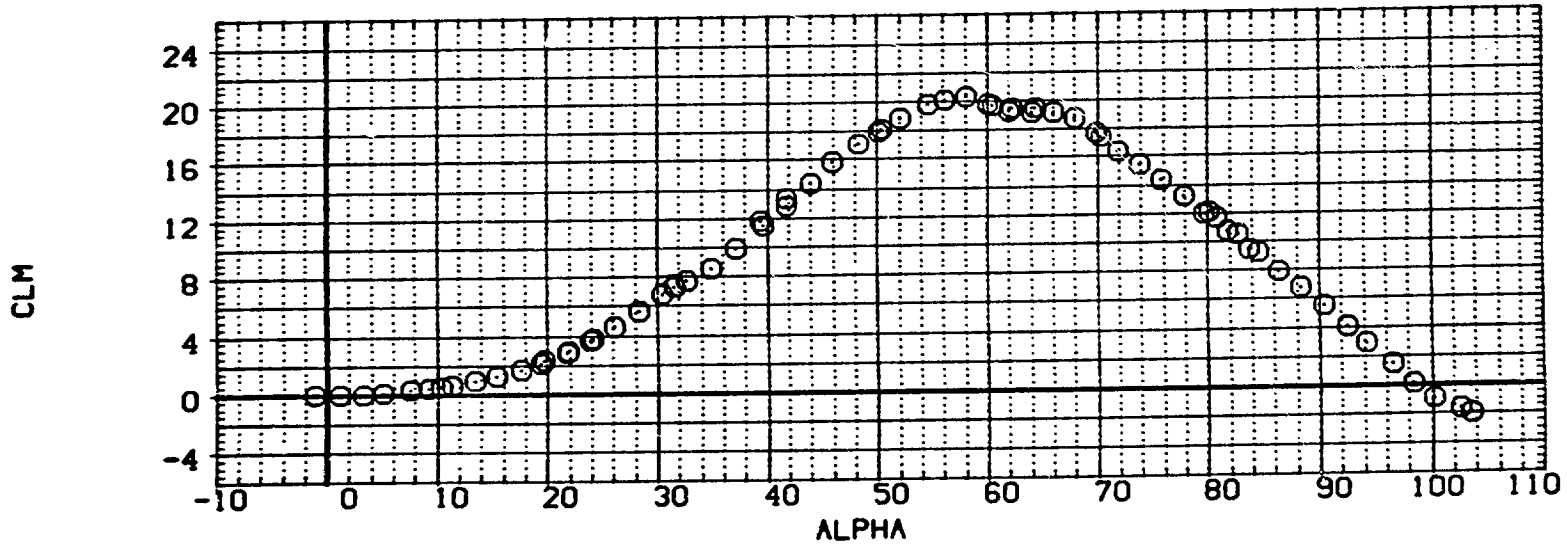
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]		LARC BTP-655(SA-2FA) SRB (NOSE UP)
[illegible]		LARC BTP-655(SA-2FA) SRB (NOSE UP)
[illegible]		DATA NOT AVAILABLE
[illegible]		DATA NOT AVAILABLE
[illegible]		DATA NOT AVAILABLE
[illegible]		DATA NOT AVAILABLE

PHI	ATTRNG	ELETUN
.000	1.000	.000
.000	1.000	.000
45.000	1.000	1.000
90.000	1.000	1.000
90.000	1.000	1.000
135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





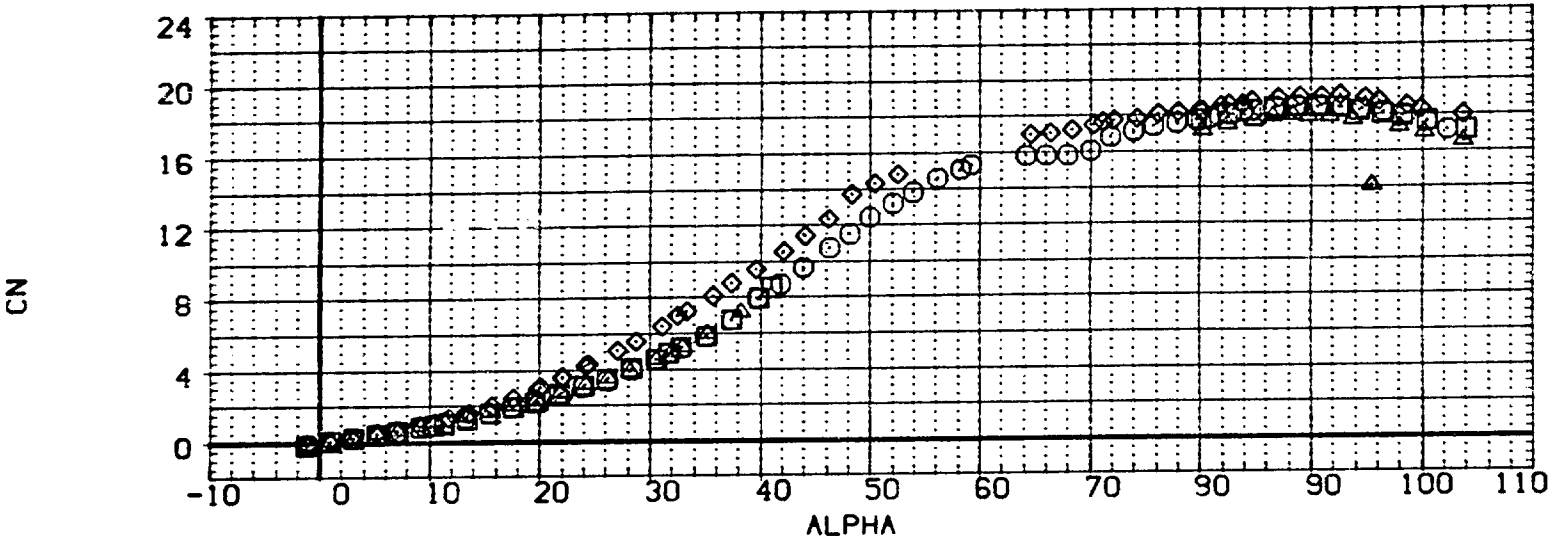
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

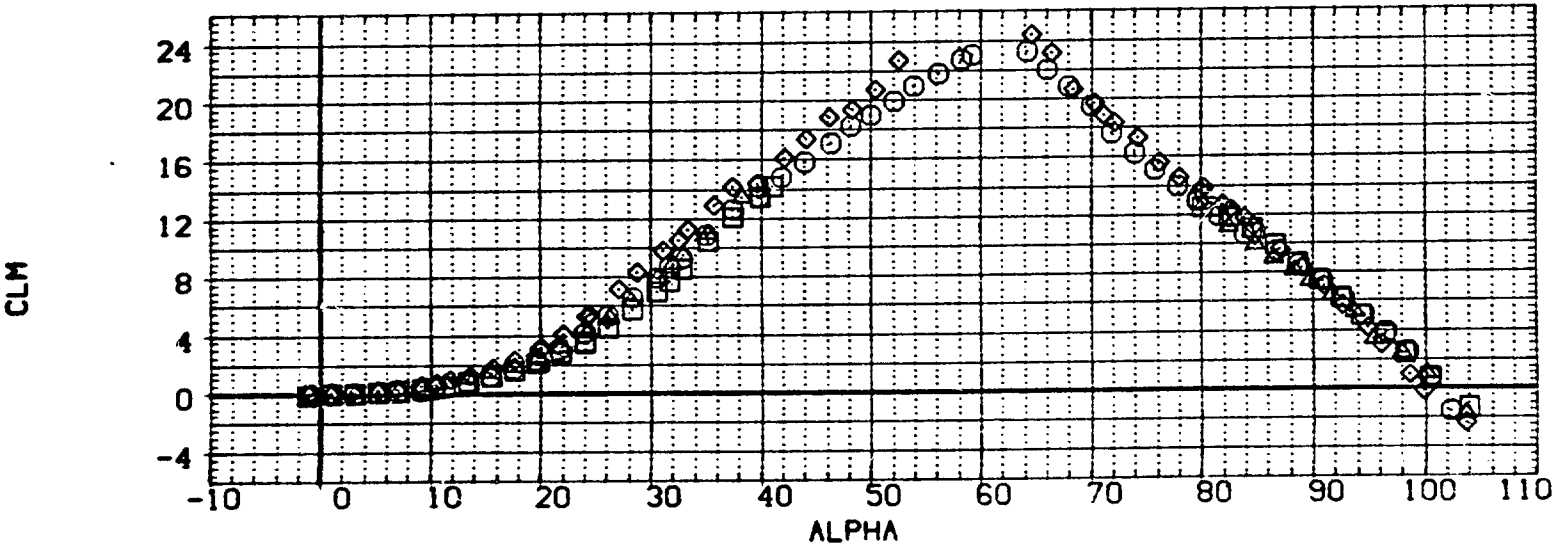
(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
(BPSS26)	○	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS29)	□	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS38)	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	45.000	1.000	1.000
(BPSS44)	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(BPSS47)	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(BPSS54)	△	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

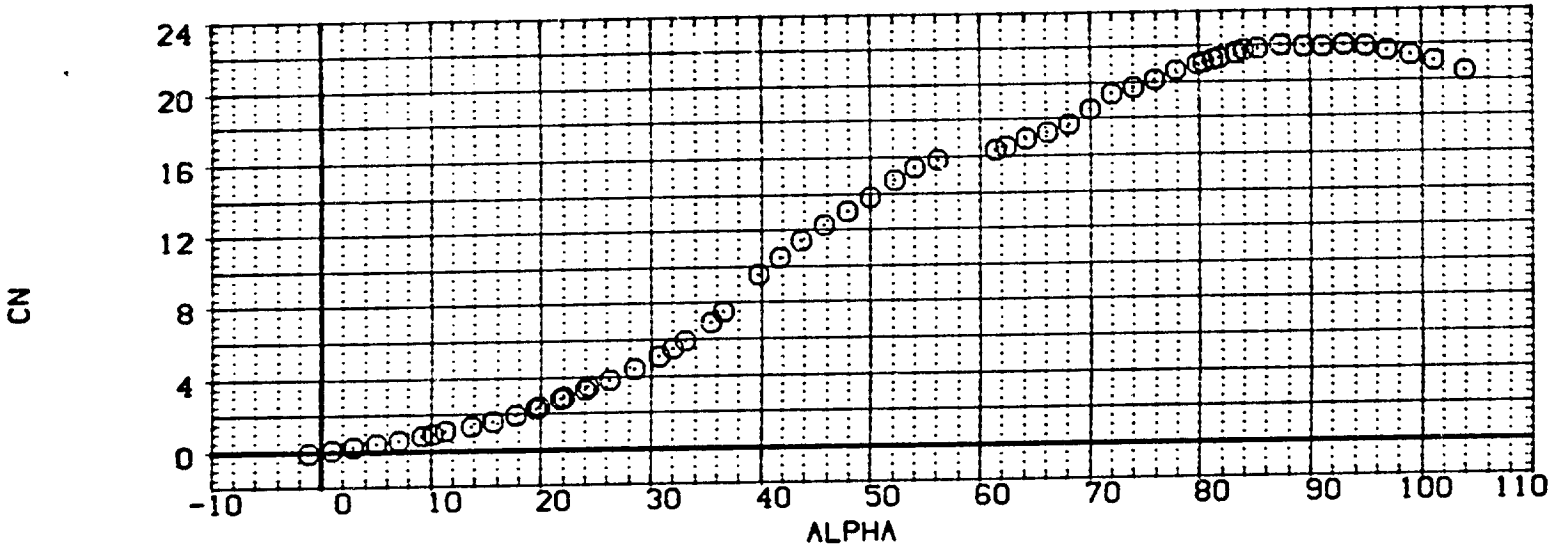
(D)MACH = .90

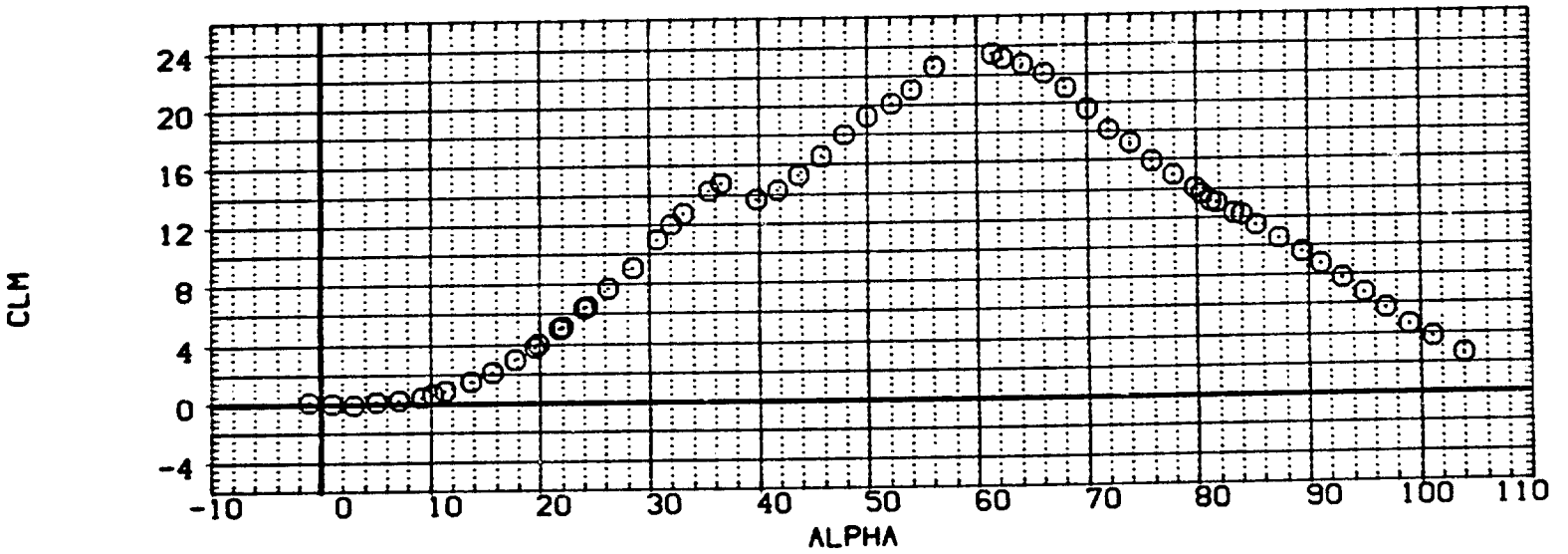
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BPSS26)	□	LARC BTF-055(SA-2FA) SRB (NOSE UP)
(BPSS29)	□	LARC BTF -055(SA-2FA) SRB (NOSE UP)
(BPSS38)	◇	DATA NOT AVAILABLE
(BPSS44)	◇	DATA NOT AVAILABLE
(BPSS47)	△	DATA NOT AVAILABLE
(BPSSE4)	△	DATA NOT AVAILABLE

PHI	ATTRNG	ELETUN
.000	1.000	.000
.000	1.000	.000
45.000	1.000	1.000
90.000	1.000	1.000
90.000	1.000	1.000
135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





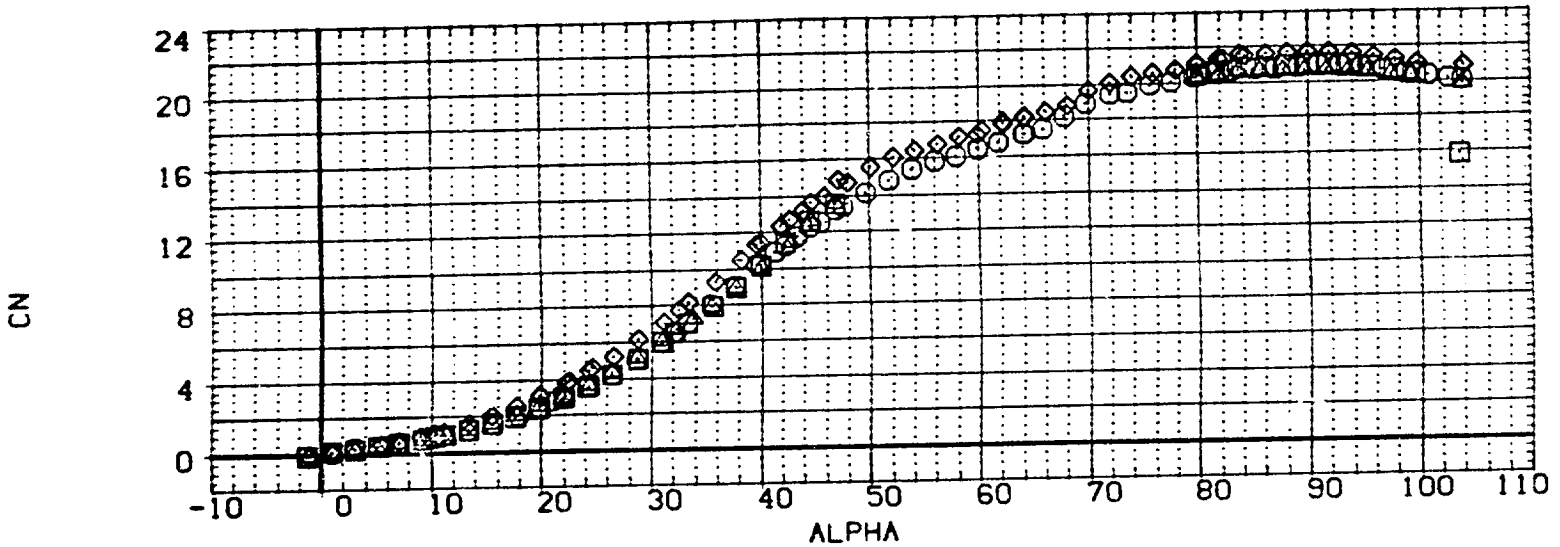
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

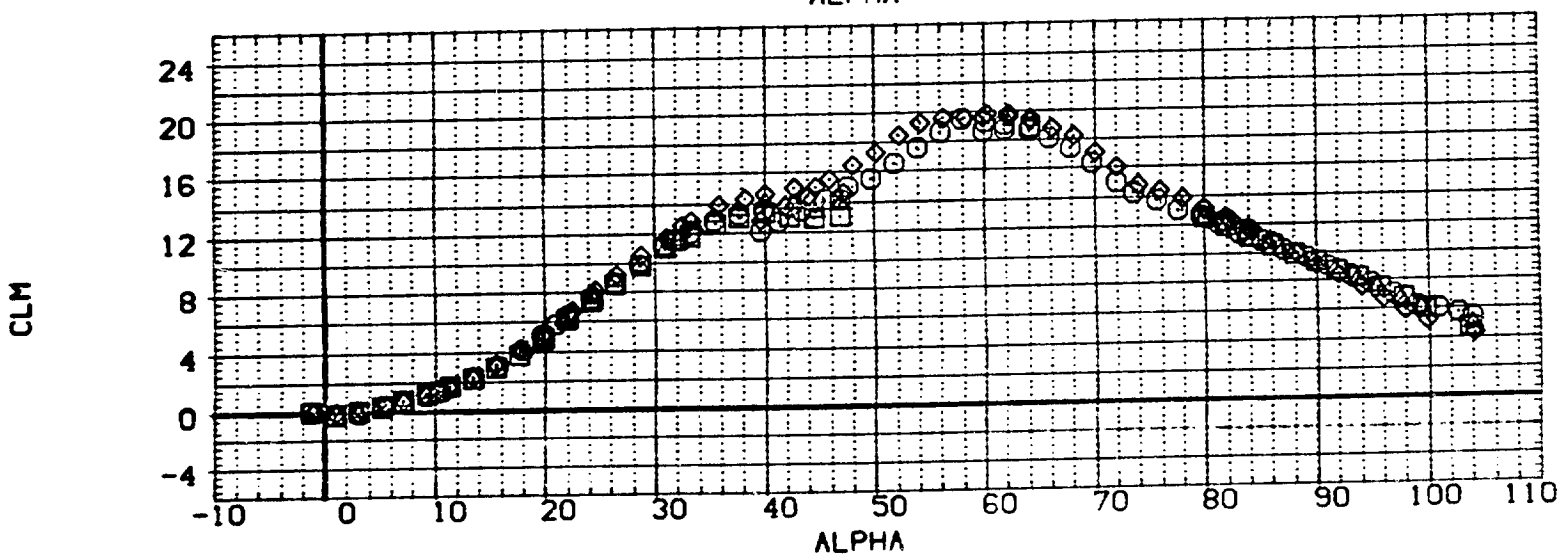
(E)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
(B[illegible]S26)	○	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(B[illegible]S29)	□	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(B[illegible]S34)	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	45.000	1.000	1.000
(B[illegible]S44)	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(B[illegible]S47)	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(B[illegible]S54)	△	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

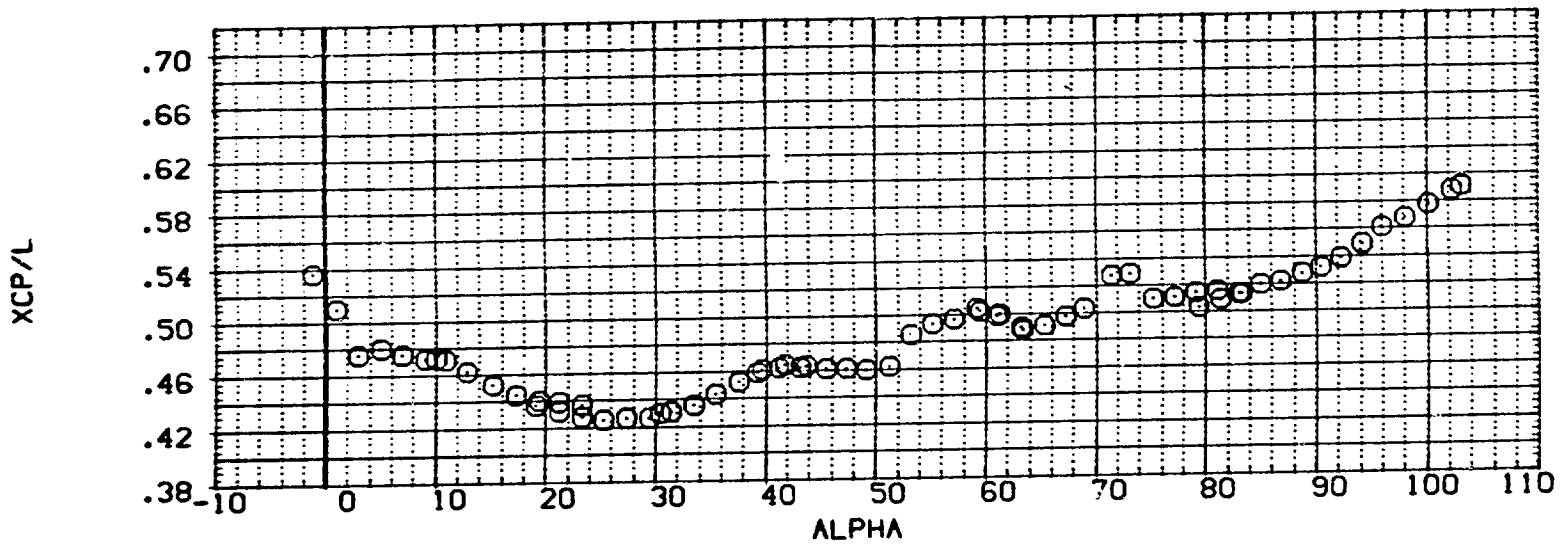
(F)MACH = 1.20

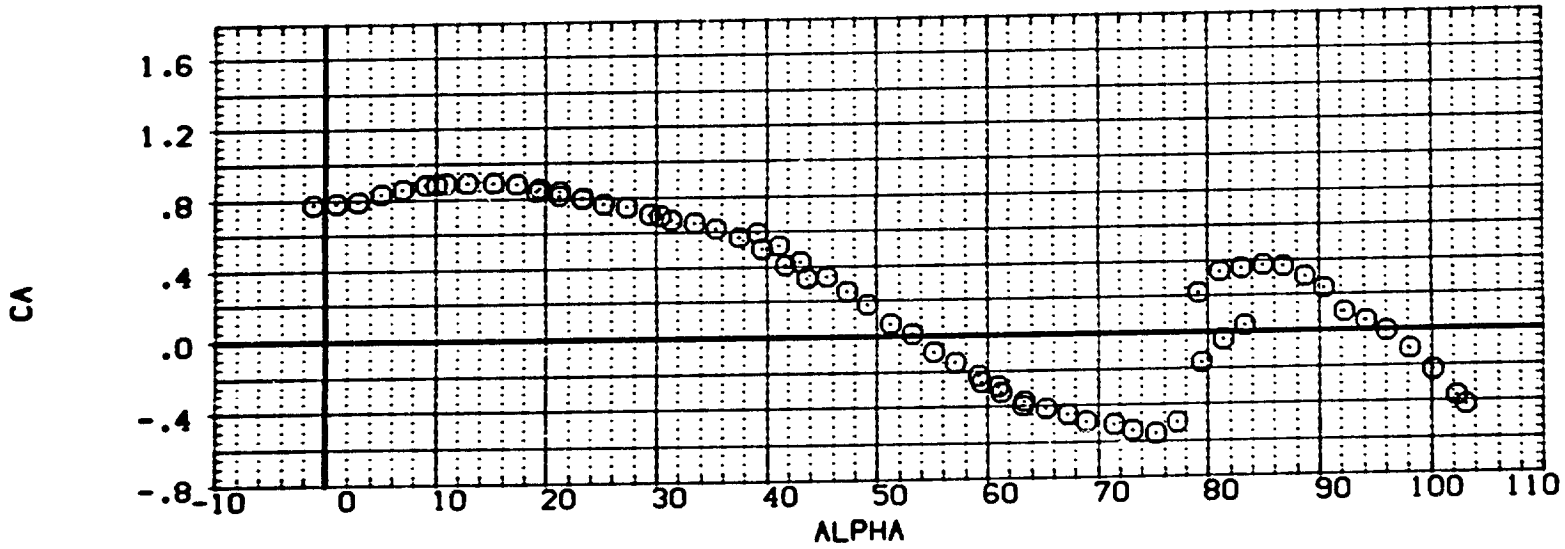
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]		LARC STP [illegible]SA-2FA) SRB (NOSE UP)
[illegible]		LARC STP [illegible]SA-2FA) SRB (NOSE UP)
[illegible]		DATA NOT AVAILABLE
[illegible]		DATA NOT AVAILABLE
[illegible]		DATA NOT AVAILABLE
[illegible]		DATA NOT AVAILABLE

PHI	ATTRNG	ELETUN
.000	1.000	.000
.000	1.000	.000
45.000	1.000	1.000
90.000	1.000	1.000
90.000	1.000	1.000
135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





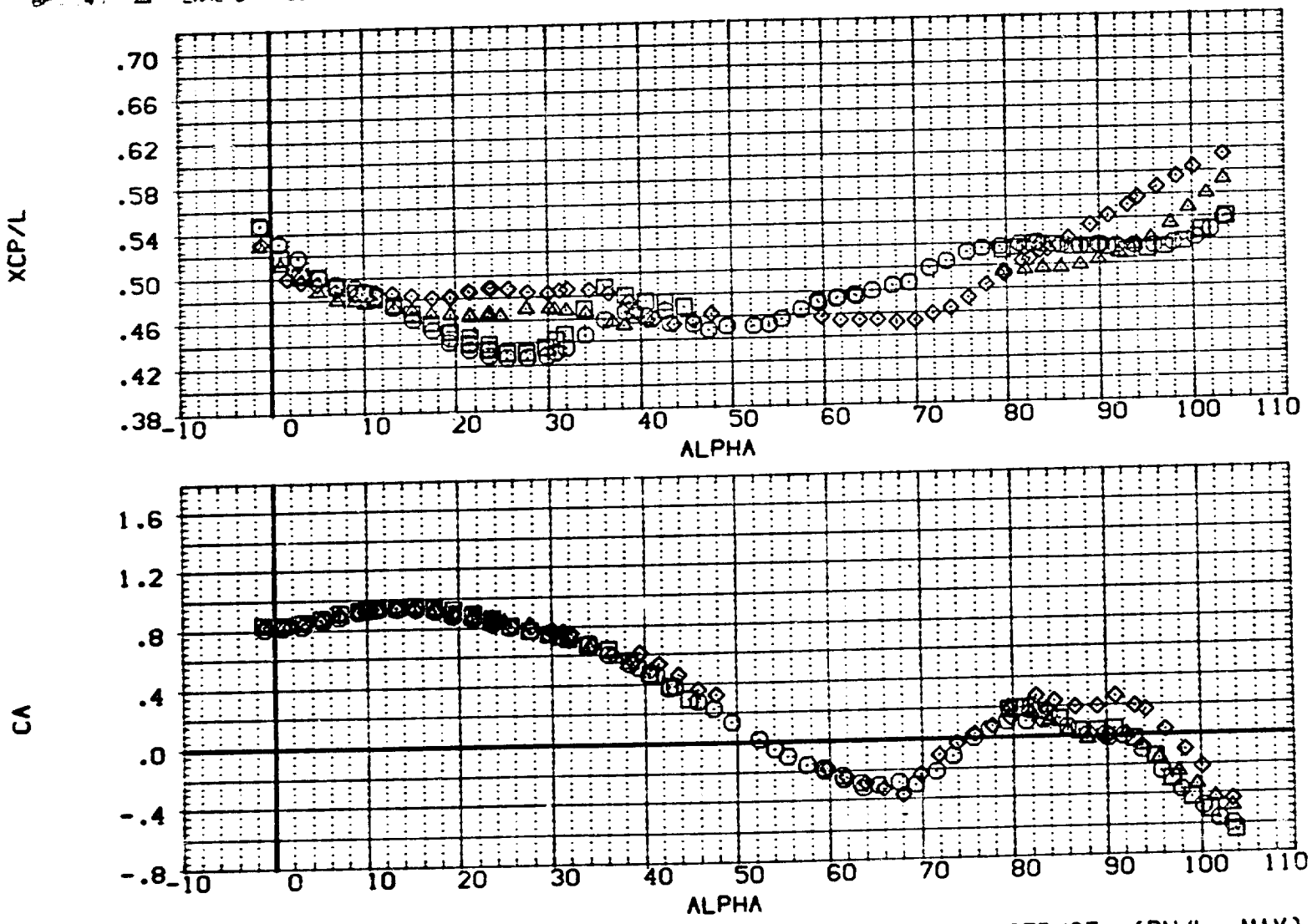
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
[illegible]		LARC BTPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
[illegible]		LARC BTPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
[illegible]		LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	45.000	1.000	1.000
[illegible]		LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
[illegible]		LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
[illegible]		LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

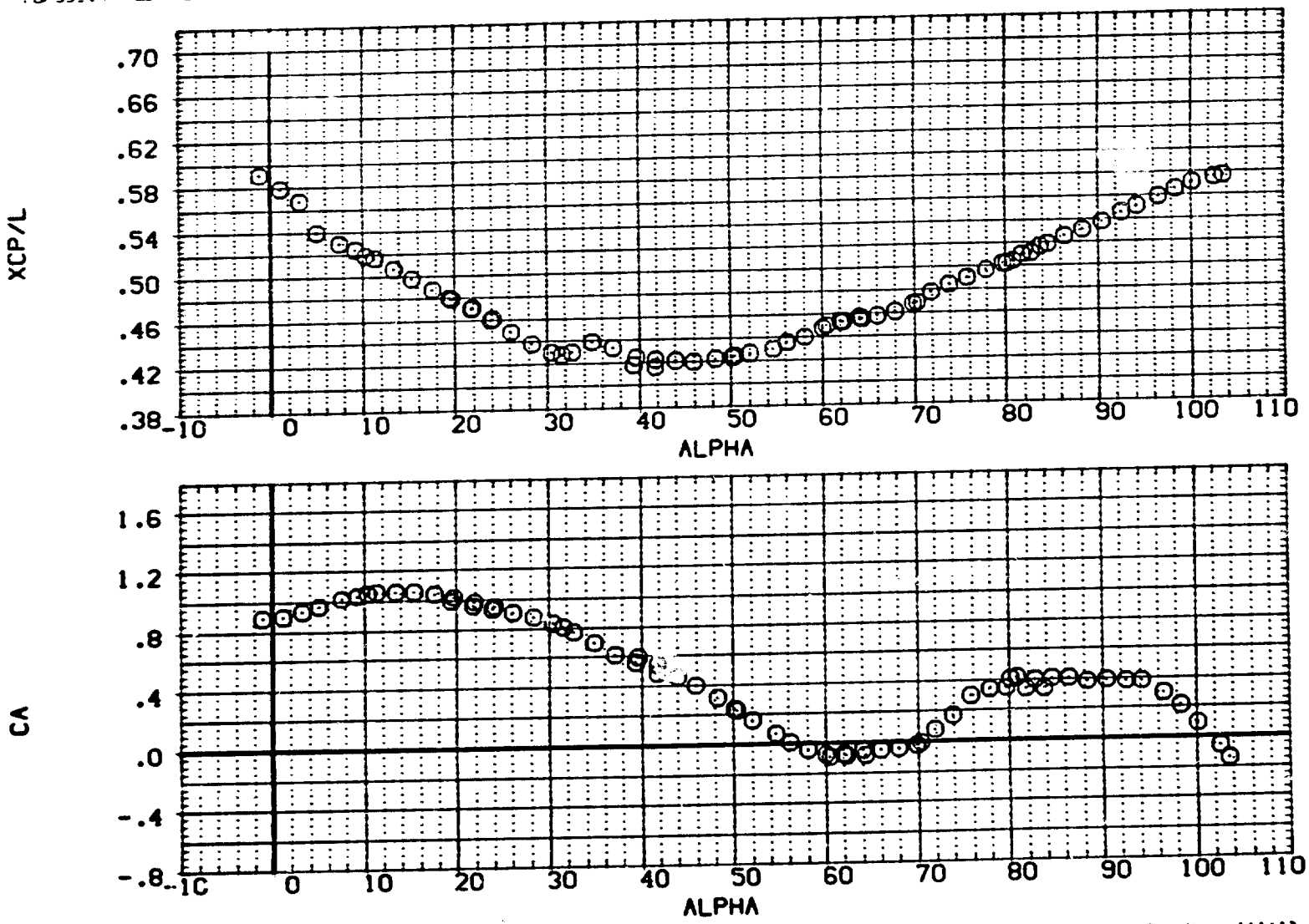
(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
BPSS26	□	LARC BTP[illegible] SA-2F[illegible] SRB (NOSE UP)
BPSS28	○	LARC BTF[illegible] SA-2F[illegible] SRB (NOSE UP)
BPSS38		DATA NOT AVAILABLE
BPSS44		DATA NOT AVAILABLE
BPSS47	◇	DATA NOT AVAILABLE
BPSS54	△	DATA NOT AVAILABLE

PHI	ATTRNC	ELETUN
.000	1.000	.000
.000	1.000	.000
45.000	1.000	1.000
90.000	1.000	1.000
90.000	1.000	1.000
135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



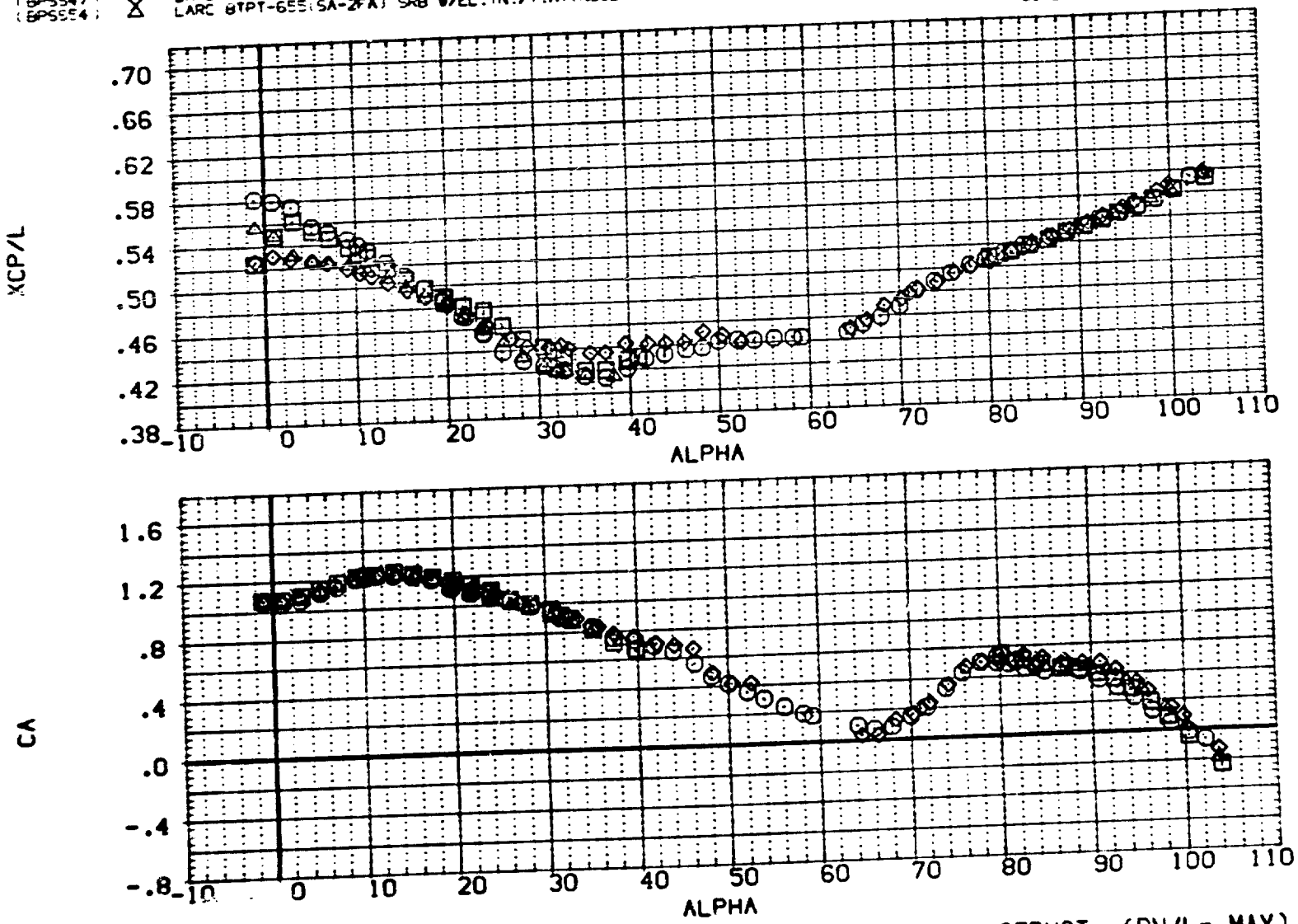
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
(BPSS26)		LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS29)		LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS36)		LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	45.000	1.000	1.000
(BPSS44)		LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(BPSS47)		LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(BPSS54)		LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

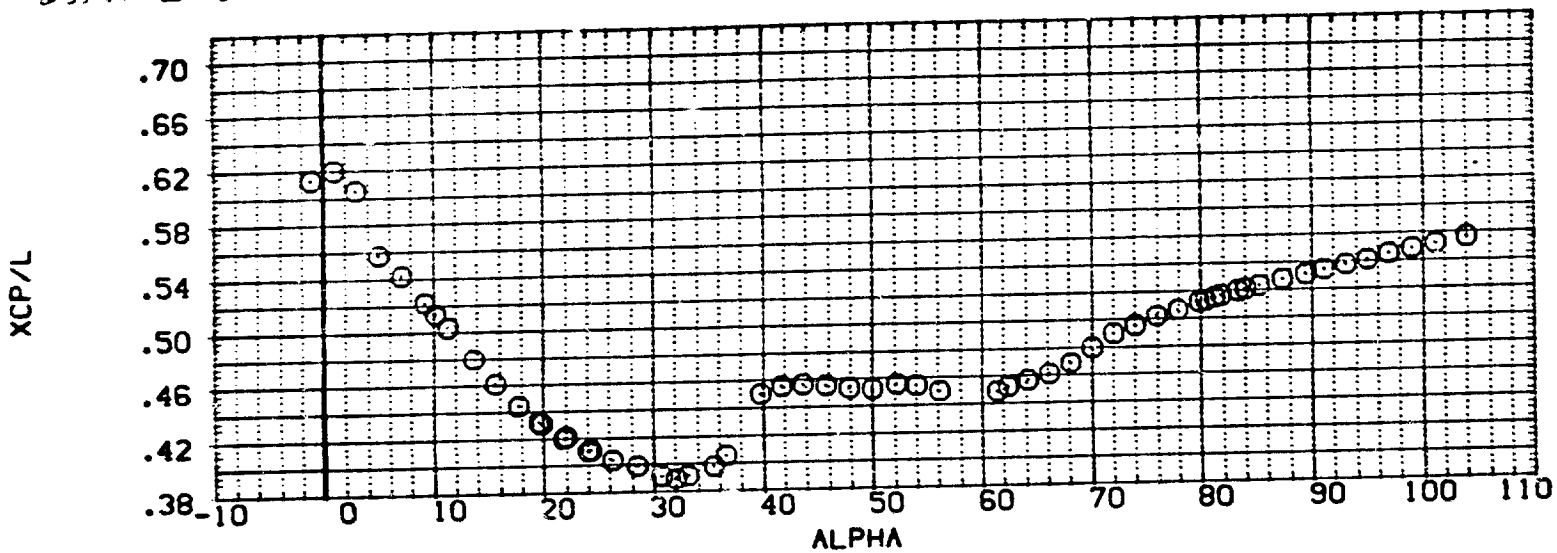
(D)MACH = .90

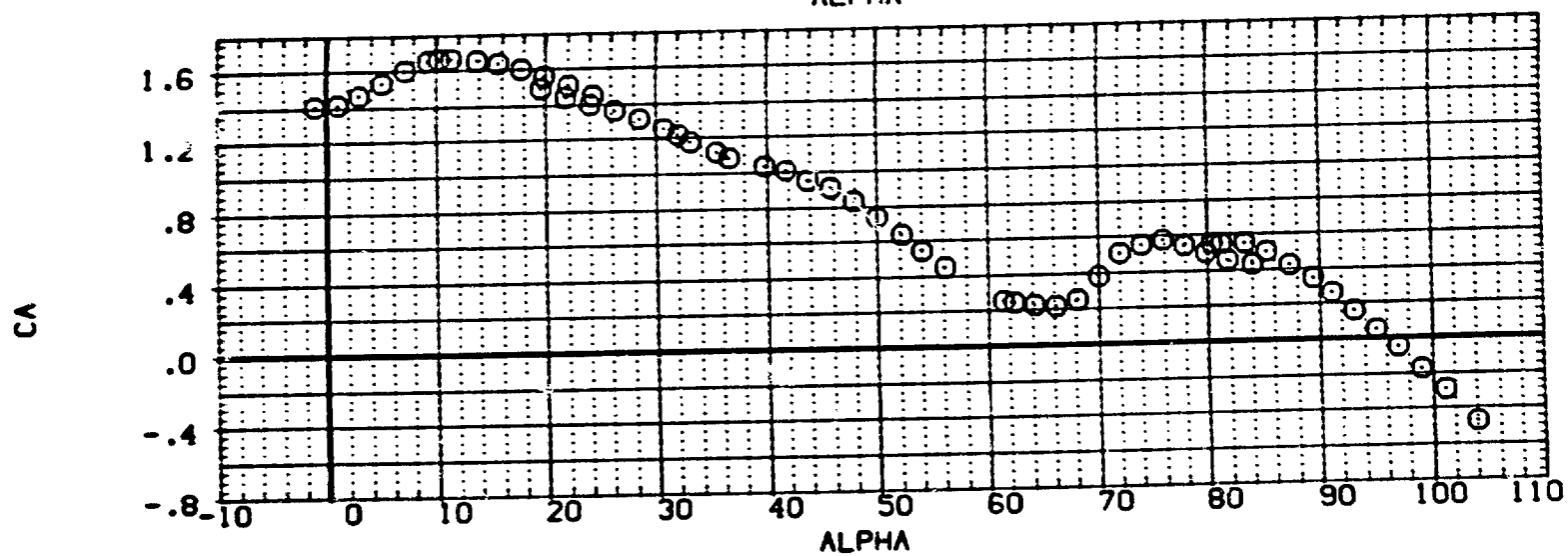
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
BPSS26		LARC 8TPT-[illegible](SA-[illegible]) SRB (NOSE UP)
BPSS29		LARC 8TPT-[illegible](SA-[illegible]) SRB (NOSE UP)
BPSS38		DATA NOT AVAILABLE
BPSS44		DATA NOT AVAILABLE
BPSS47		DATA NOT AVAILABLE
BPSS74		DATA NOT AVAILABLE

PHI	ATTRNG	ELETUN
.000	1.000	.000
.000	1.000	.000
45.000	1.000	1.000
90.000	1.000	1.000
90.000	1.000	1.000
135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





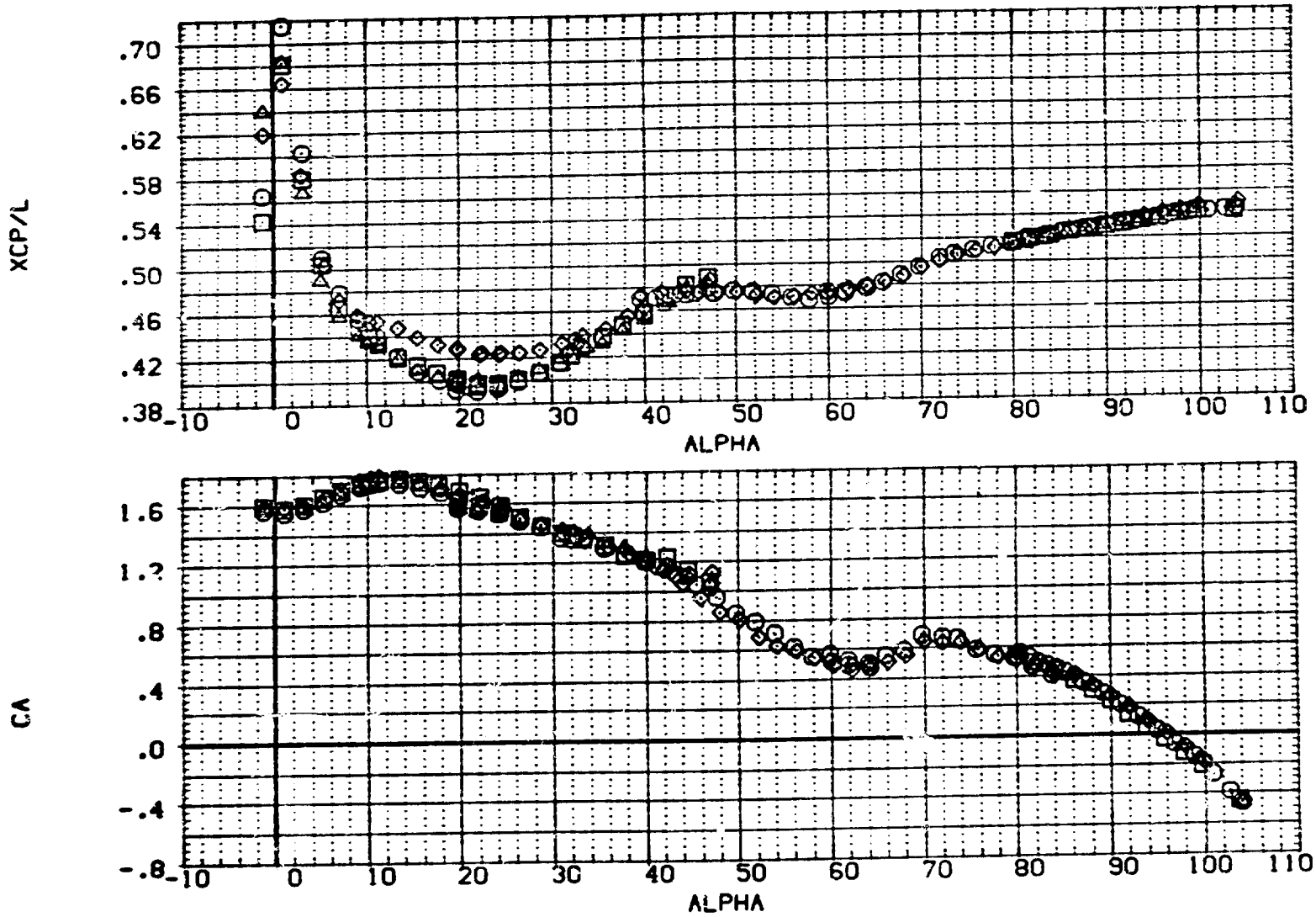
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(E)MACH = 1.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNC	ELETUN
(BPSS26)	LARC BTPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS29)	LARC BTPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS39)	LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	45.000	1.000	1.000
(BPSS44)	LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(BPSS47)	LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(BPSS54)	LARC BTPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

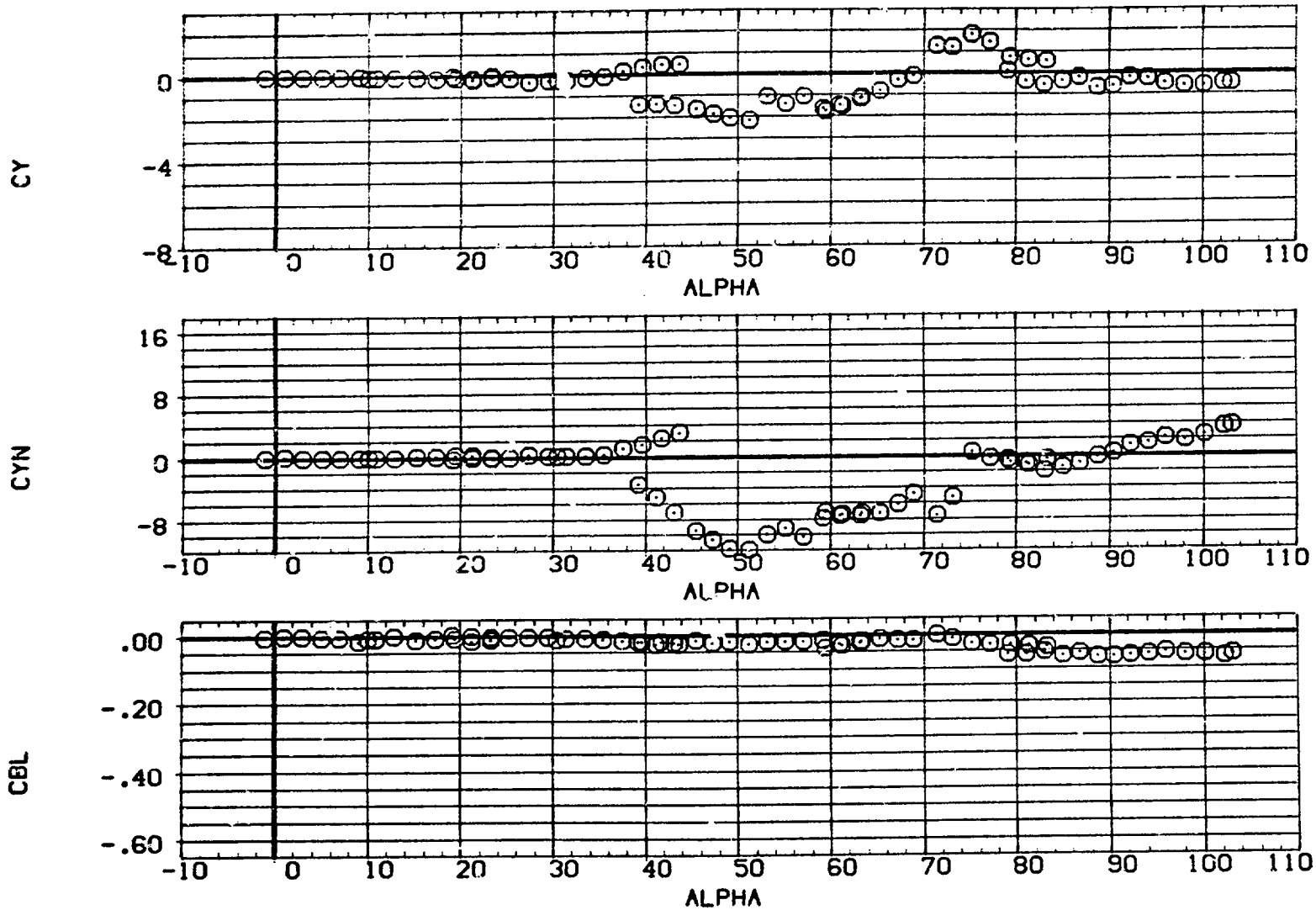
(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]		LARC STPT-65 (SA-2FA) SRB (NOSE UP)
[illegible]		LARC STPT-65 (SA-2FA) SRB (NOSE UP)
[illegible]		DATA NOT AVAILABLE
[illegible]		DATA NOT AVAILABLE
[illegible]		DATA NOT AVAILABLE
[illegible]		DATA NOT AVAILABLE

PHI	ATTRNG	ELETUN
.000	1.000	.000
.000	1.000	.000
45.000	1.000	1.000
90.000	1.000	1.000
90.000	1.000	1.000
135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

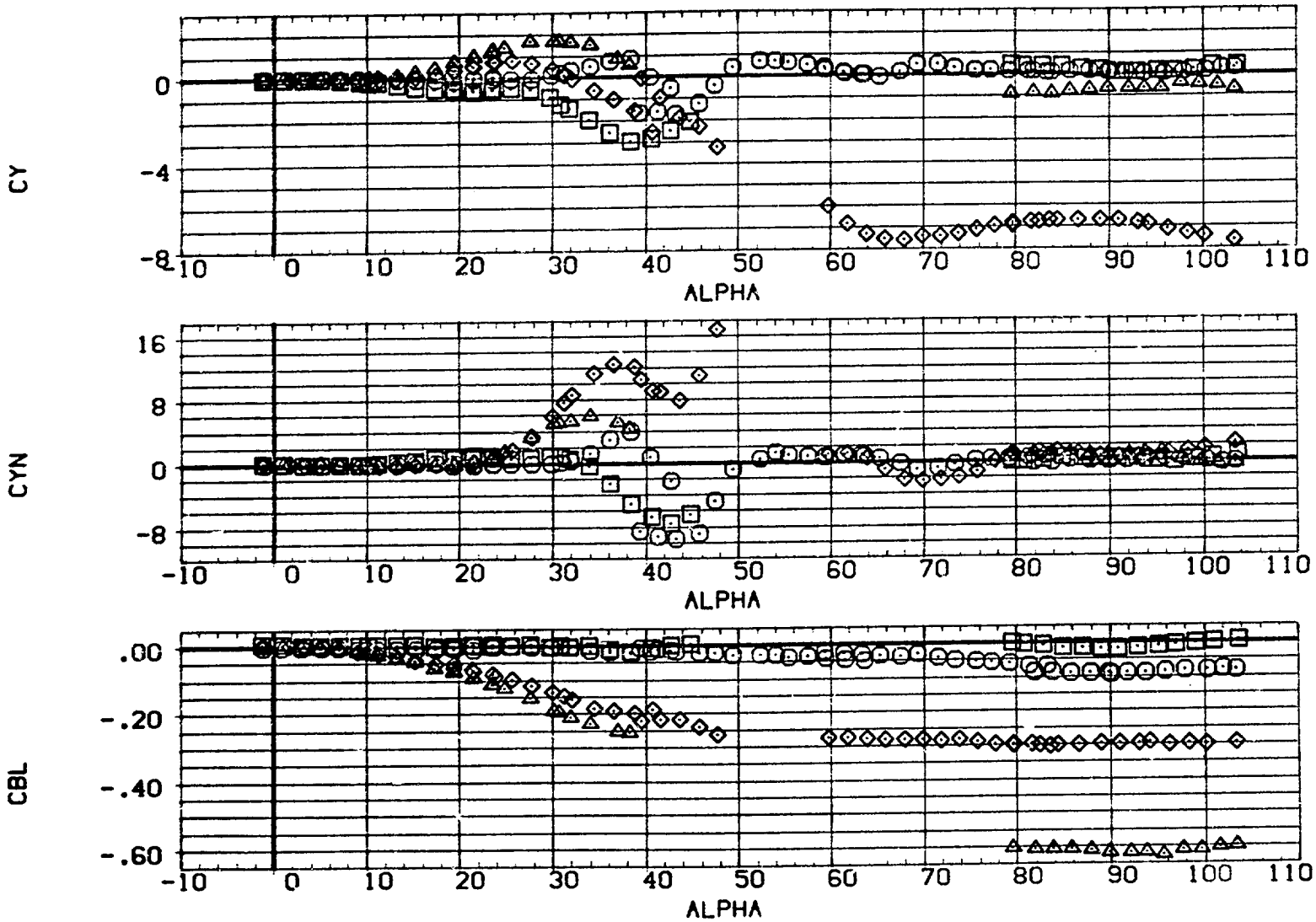


EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
BPSS26	○	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
BPSS23	○	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
BPSS38	□	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	45.000	1.000	1.000
BPSS44	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
BPSS47	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
BPSS54	△	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	135.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

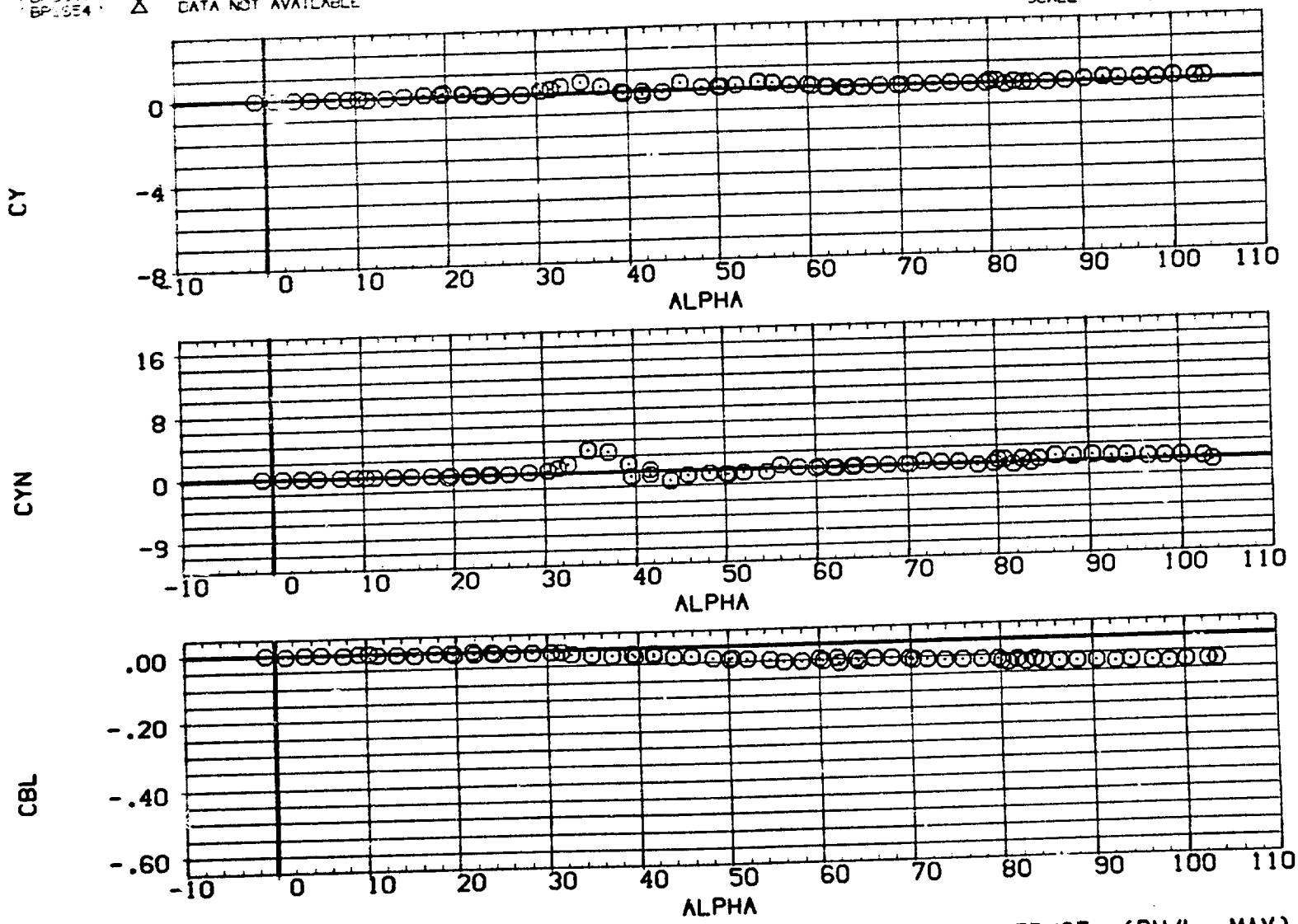
(B)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BPSS26)	LARC BTPT- [illegible] SRB (NOSE UP)
(BPSS29)	LARC BTPT- [illegible] SRB (NOSE UP)
BPSS38	DATA NOT AVAILABLE
(BPSS44)	DATA NOT AVAILABLE
BPSS47	DATA NOT AVAILABLE
BPSS54	DATA NOT AVAILABLE

PHI	ATTRNG	ELETUN
.000	1.000	.000
.000	1.000	.000
45.000	1.000	1.000
90.000	1.000	1.000
90.000	1.000	1.000
135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



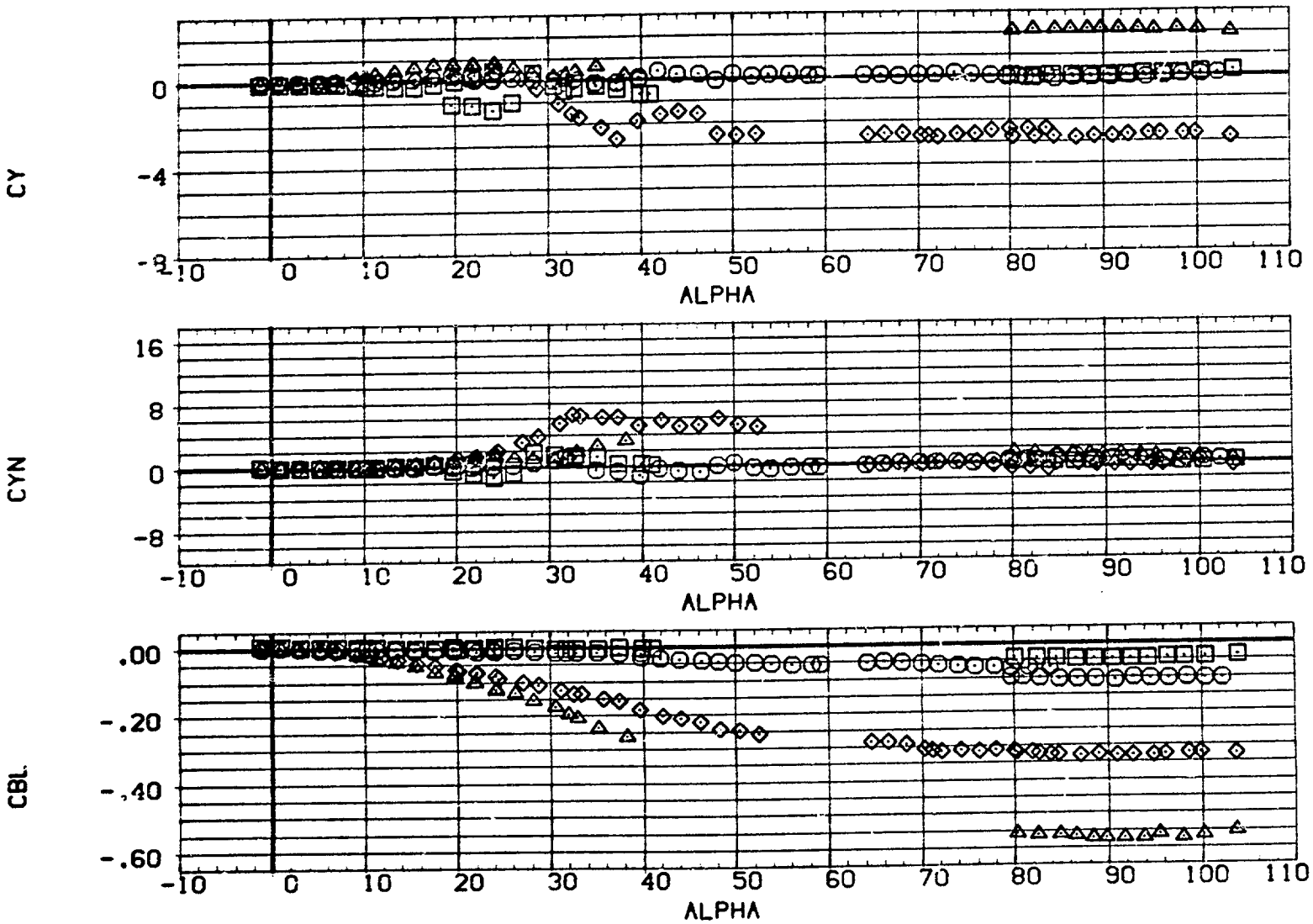
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(C)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
(BPSS28)	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS29)	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
(BPSS38)	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	45.000	1.000	1.000
(BPSS44)	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(BPSS47)	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
(BPSS54)	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

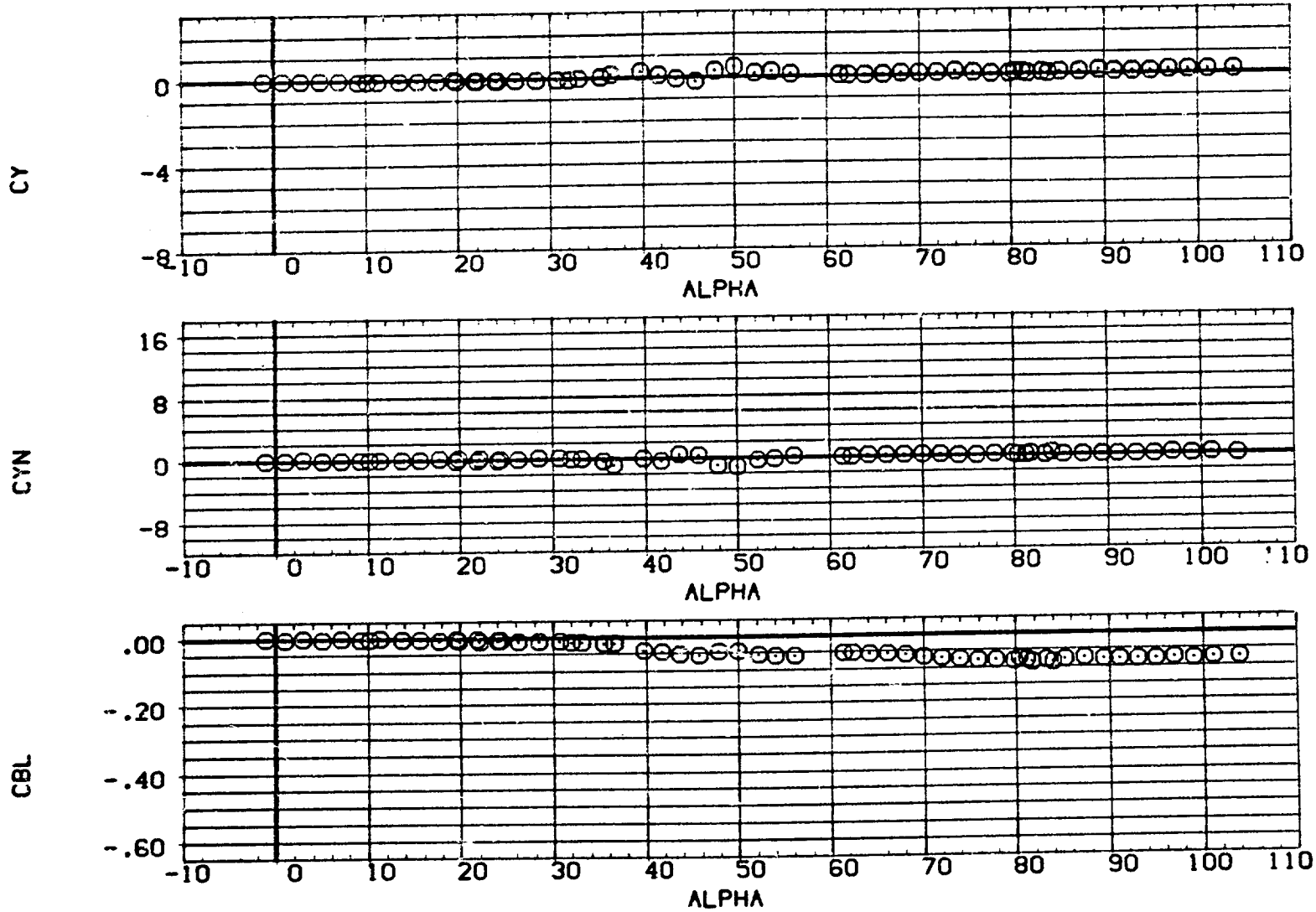
(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
BPSS26		LARC BTPT-OFF (5A-2FA) SRB (NOSE UP)
BPSS29		LARC BTPT-OFF (5A-2FA) ORB (NOSE UP)
BPSS3M		DATA NOT AVAILABLE
BPSS44		DATA NOT AVAILABLE
BPSS47		DATA NOT AVAILABLE
BPSSE4		DATA NOT AVAILABLE

PHI	ATTRNC	ELETUN
.000	1.000	.000
.000	1.000	.000
45.000	1.000	1.000
90.000	1.000	1.000
90.000	1.000	1.000
135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



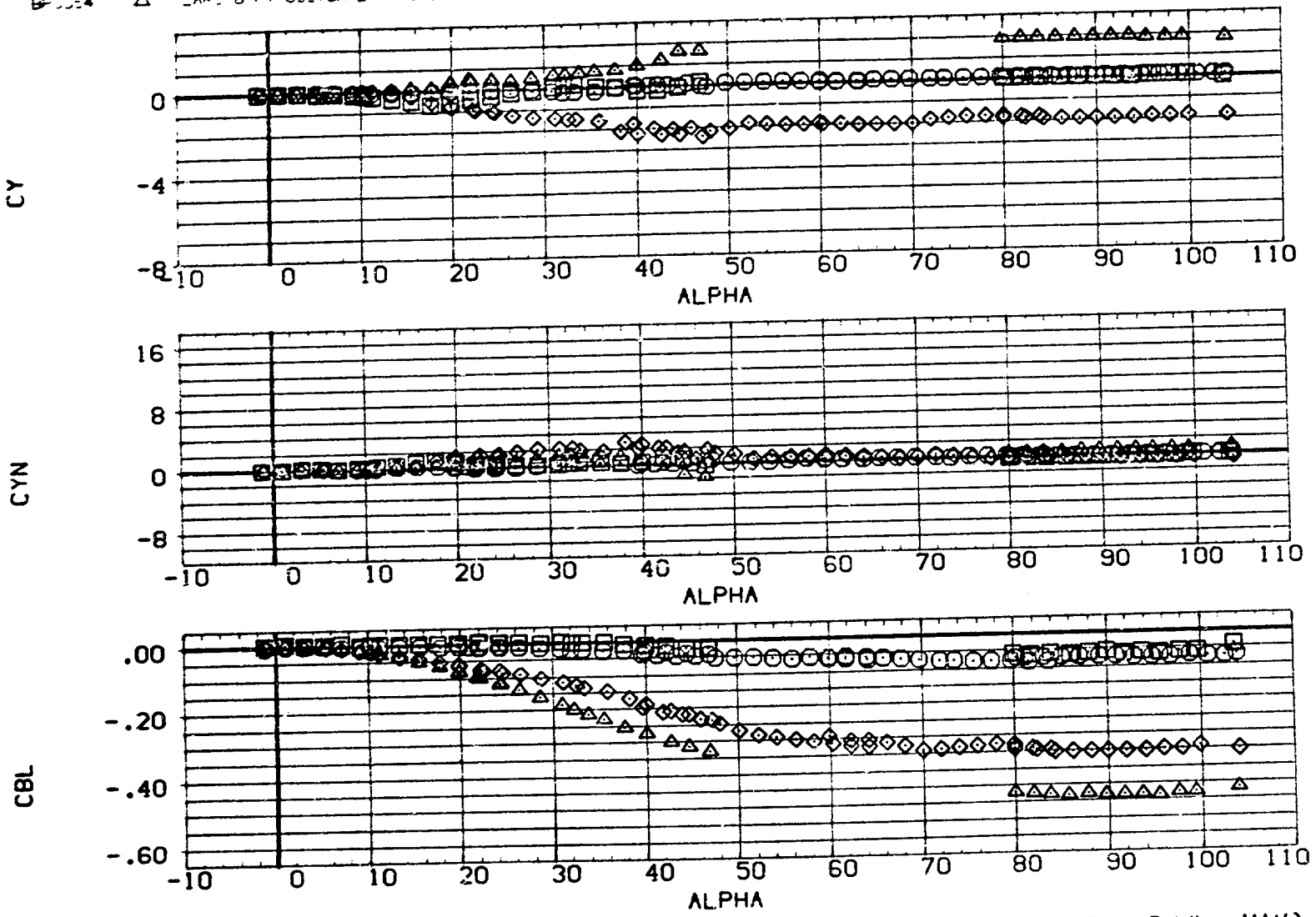
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(E)MACH = 1.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
BPS526	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
BPS529	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.000	.000
BPS538	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	45.000	1.000	1.000
BPS544	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
BPS547	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	90.000	1.000	1.000
BPS554	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE UP)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



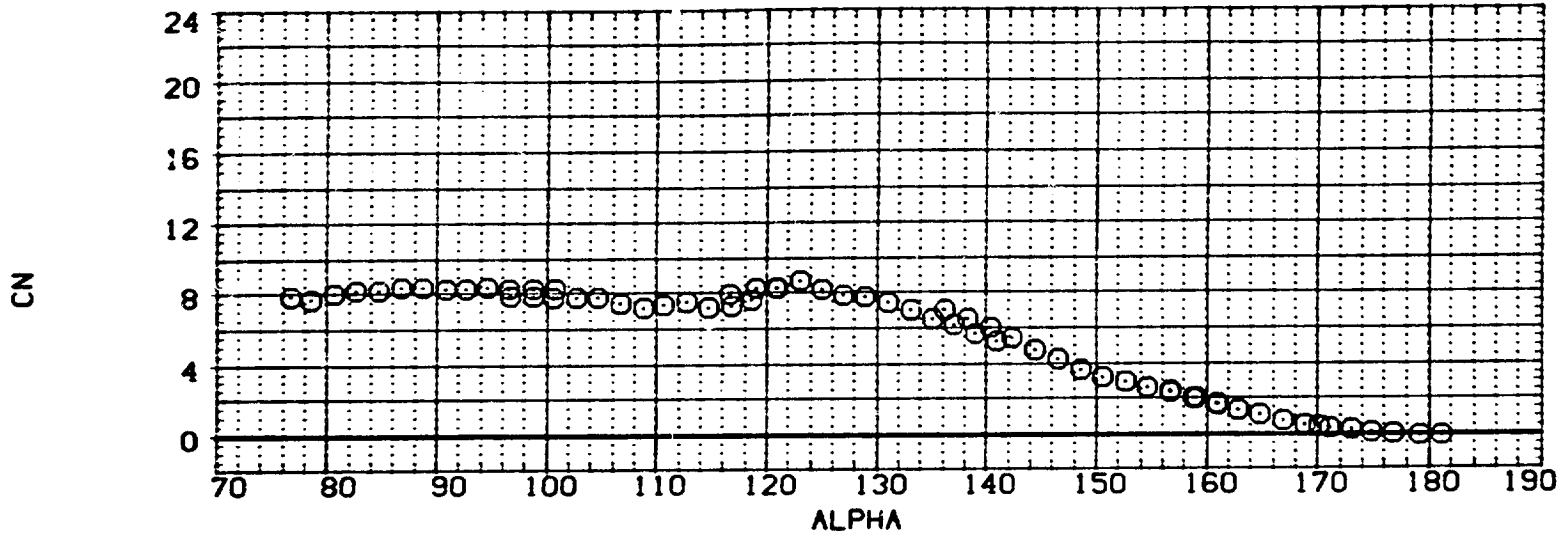
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

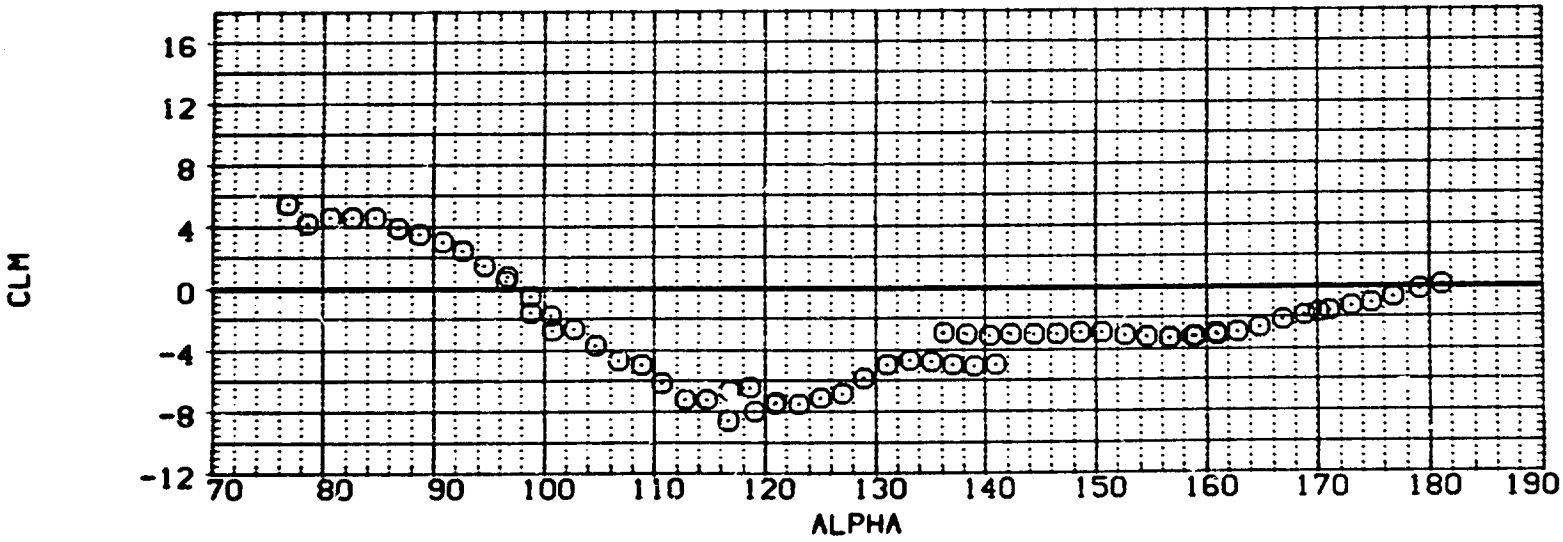
(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNC	ELETON
[illegible]	—	LARC BTBT-ESS(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
[illegible]	—	LARC BTBT-ESS(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
[illegible]	□	DATA NOT AVAILABLE	45.000	1.000	1.000
[illegible]	□	DATA NOT AVAILABLE	90.000	1.000	1.000
[illegible]	◇	DATA NOT AVAILABLE	90.000	1.000	1.000
[illegible]	△	DATA NOT AVAILABLE	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





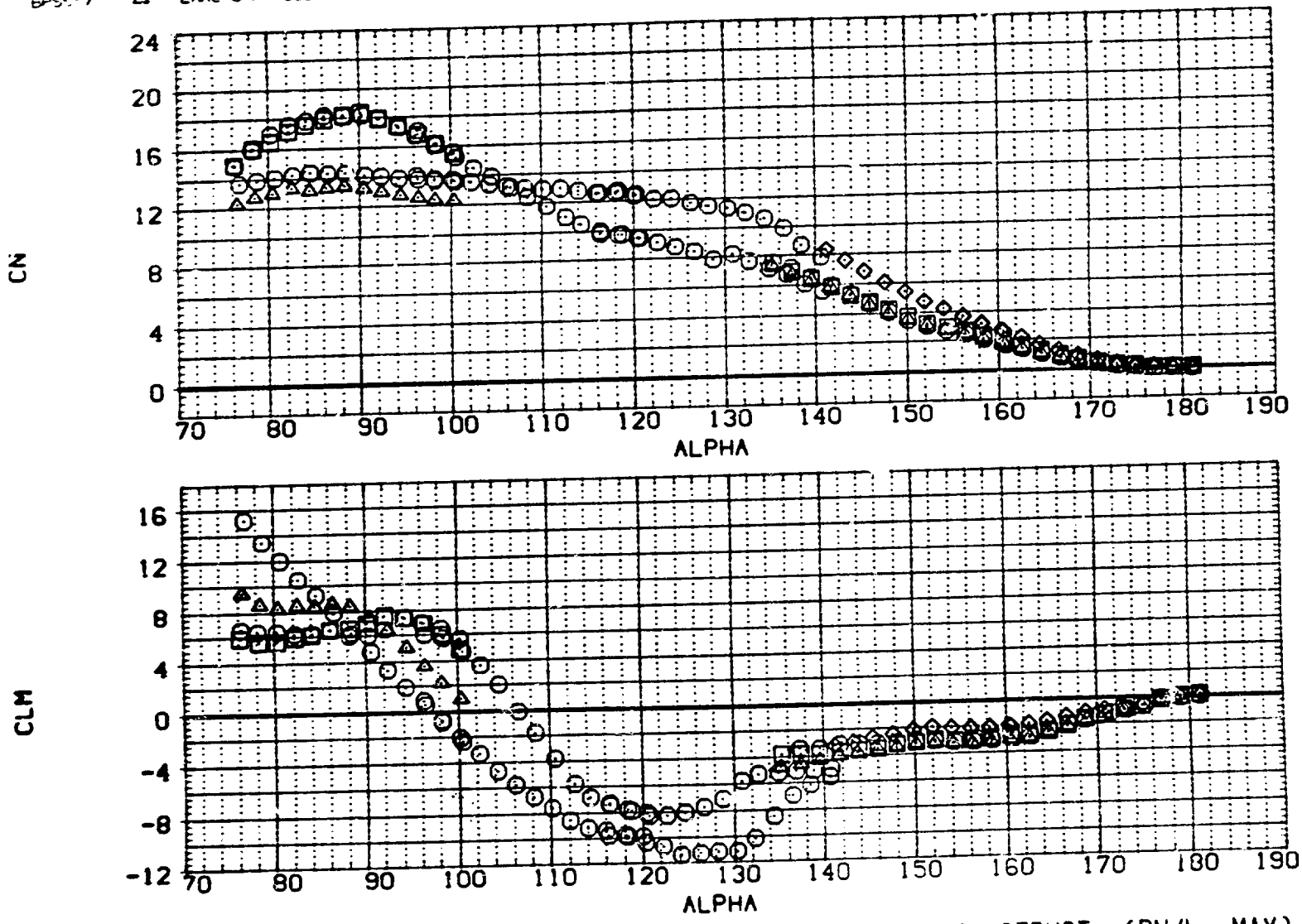
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETAN
BPSS31	○	LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS34	□	LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BP..41		LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	45.000	1.000	1.000
BP..45		LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BP..54	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BPSS57	△	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



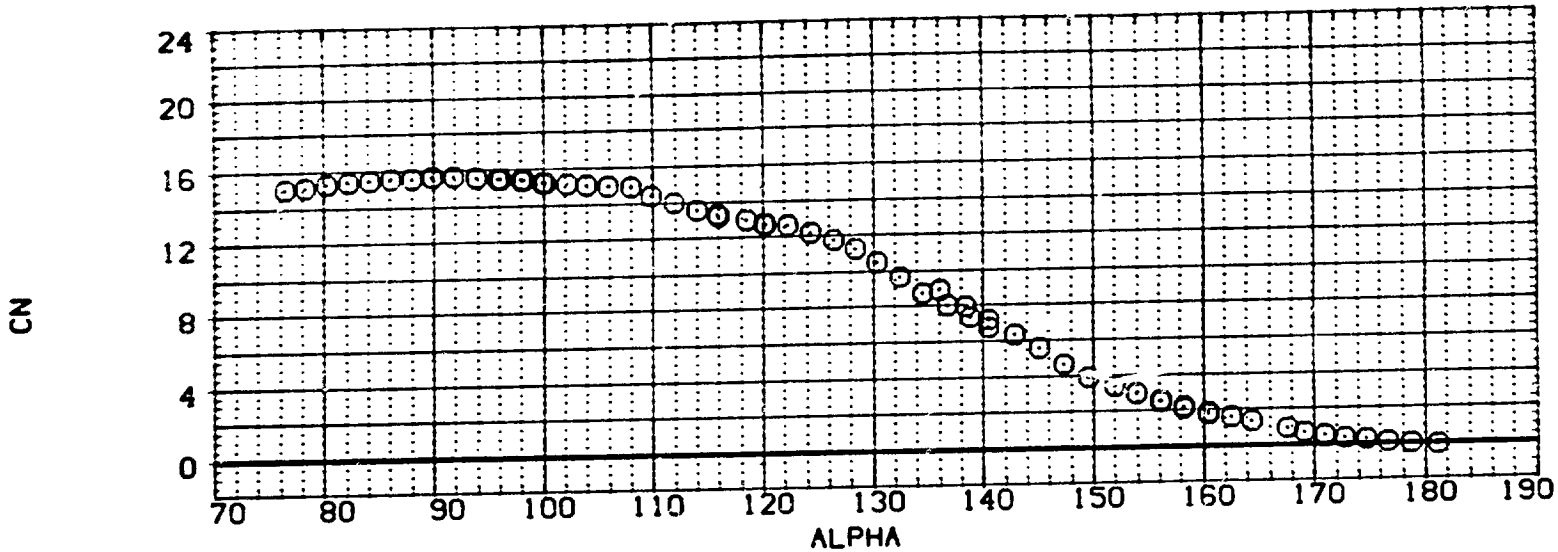
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

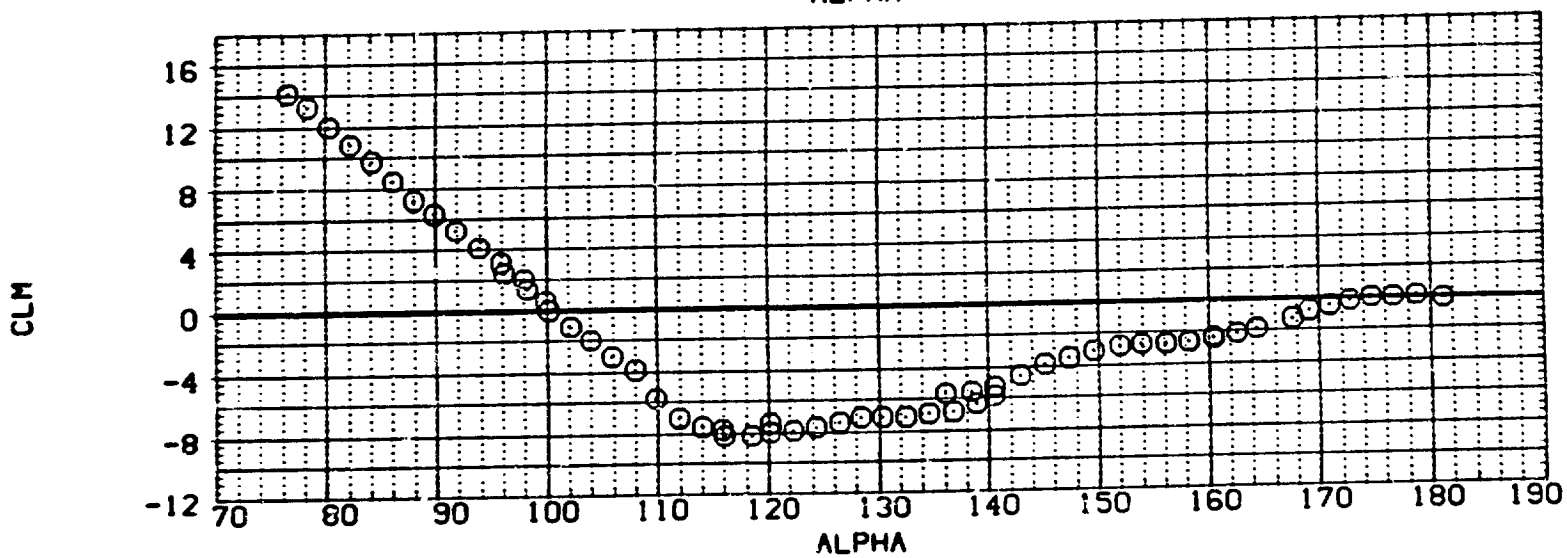
(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
BPSS31	⊂	LARC BTP [illegible] SA-[illegible]A) SRB (NOSE DOWN)	.000	1.000	.000
BP[illegible]34	⊃	LARC BT[illegible] SA-2[illegible]A) SRB (NOSE DOWN)	.000	1.000	.000
(BP[illegible]4[illegible])	□	DATA NOT AVAILABLE	45.000	1.000	1.000
(BPSS43)	◇	DATA NOT AVAILABLE	90.000	1.000	1.000
(BPSS52)	⊠	DATA NOT AVAILABLE	90.000	1.000	1.000
BP[illegible]57	⧖	DATA NOT AVAILABLE	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





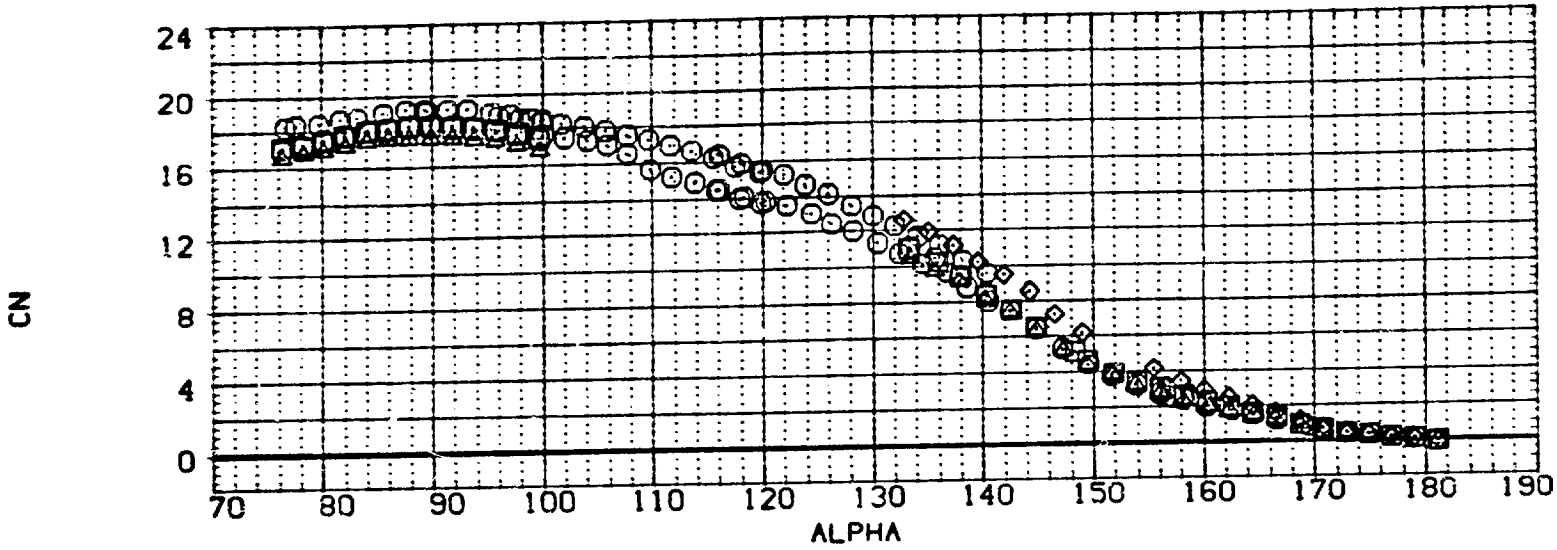
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

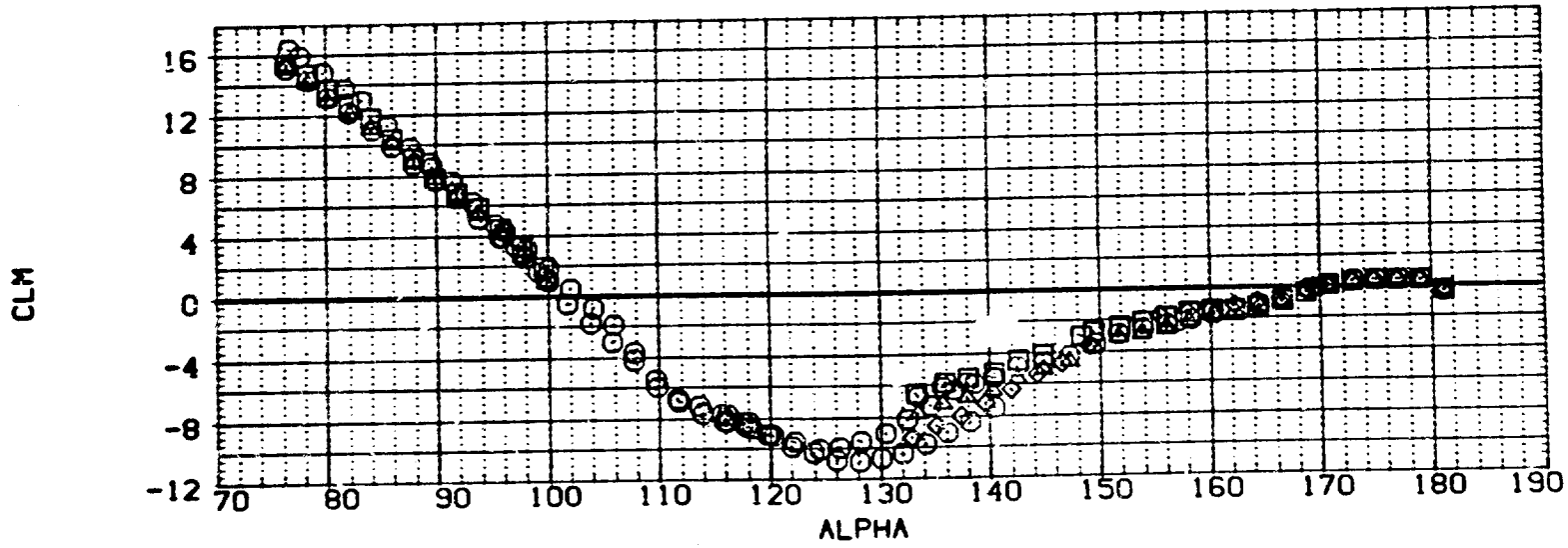
(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
BPSS31	○	LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS34		LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS41	□	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	45.000	1.000	1.000
BPSS49		LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BPSSE2	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BPSSE7	△	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8140	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

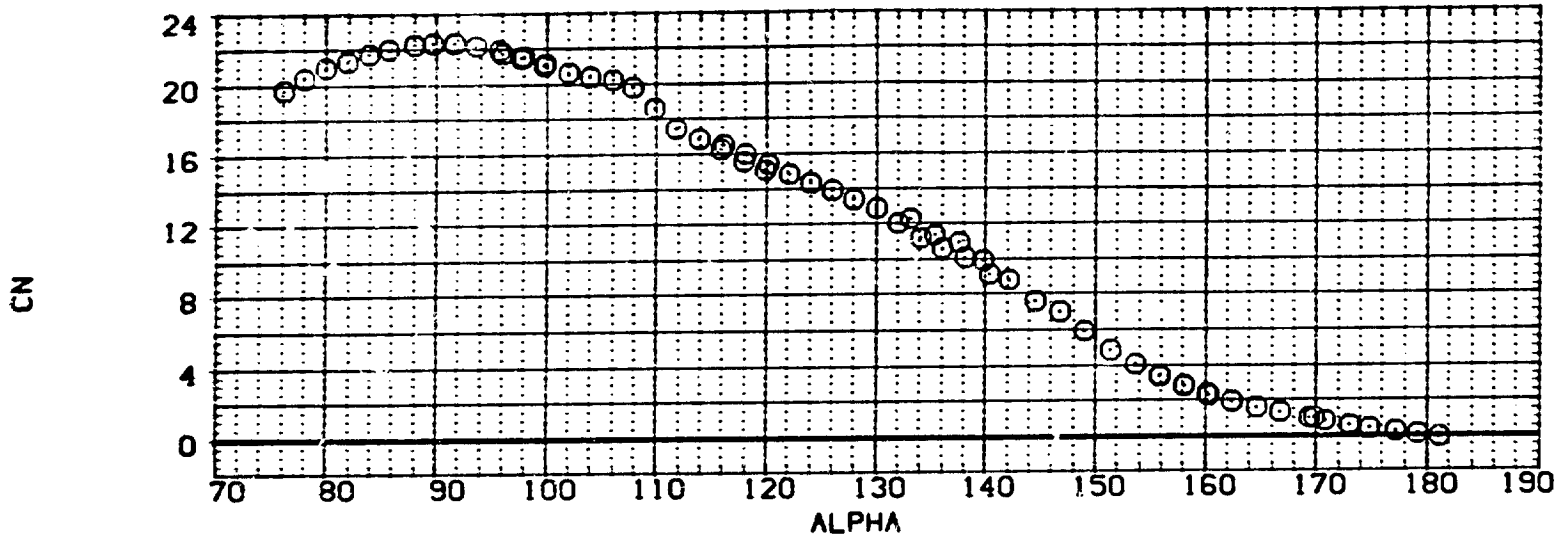
(D)MACH = .90

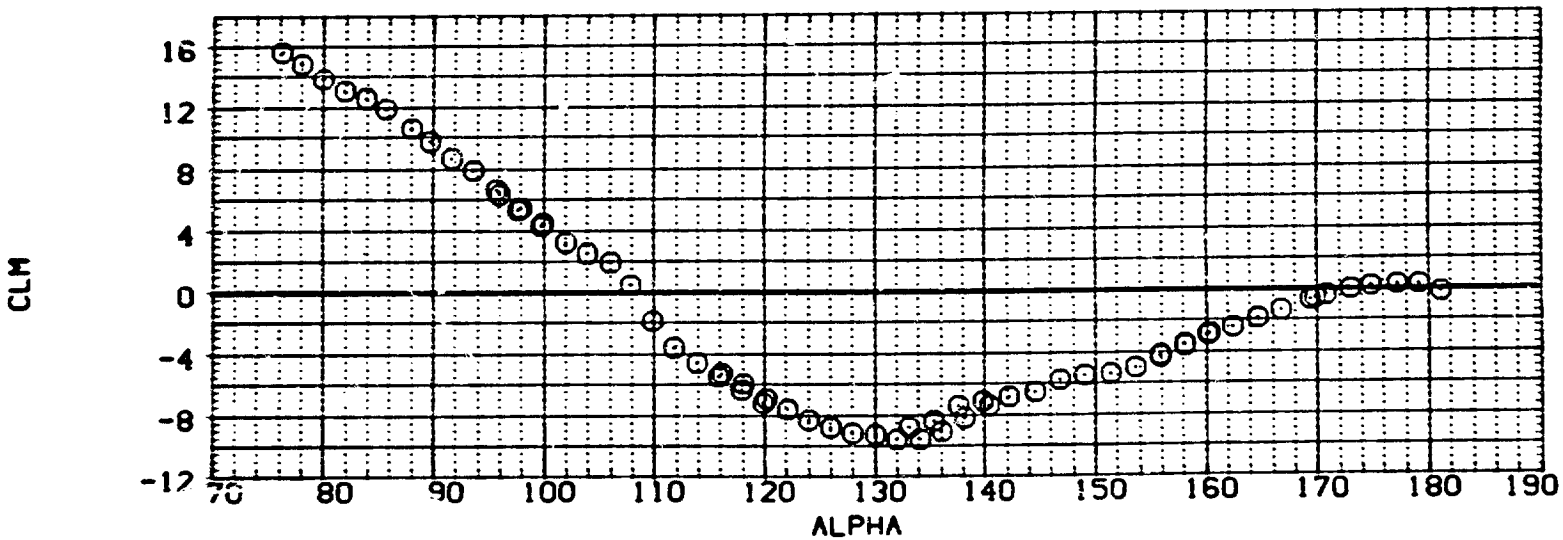
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
BPSS31	□	LARC STFT-[illegible] SA-2FA) SRB (NOSE DOWN)
BPSS34	○	LARC STFT-[illegible] SA-2FA) SRB (NOSE DOWN)
BPSS41	□	DATA NOT AVAILABLE
BPSS49	○	DATA NOT AVAILABLE
BPSS42	⊠	DATA NOT AVAILABLE
BPSS37	⊠	DATA NOT AVAILABLE

PHI	ATTRNG	ELETUN
.000	1.000	.000
.000	1.000	.000
45.000	1.000	1.000
90.000	1.000	1.000
90.000	1.000	1.000
135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





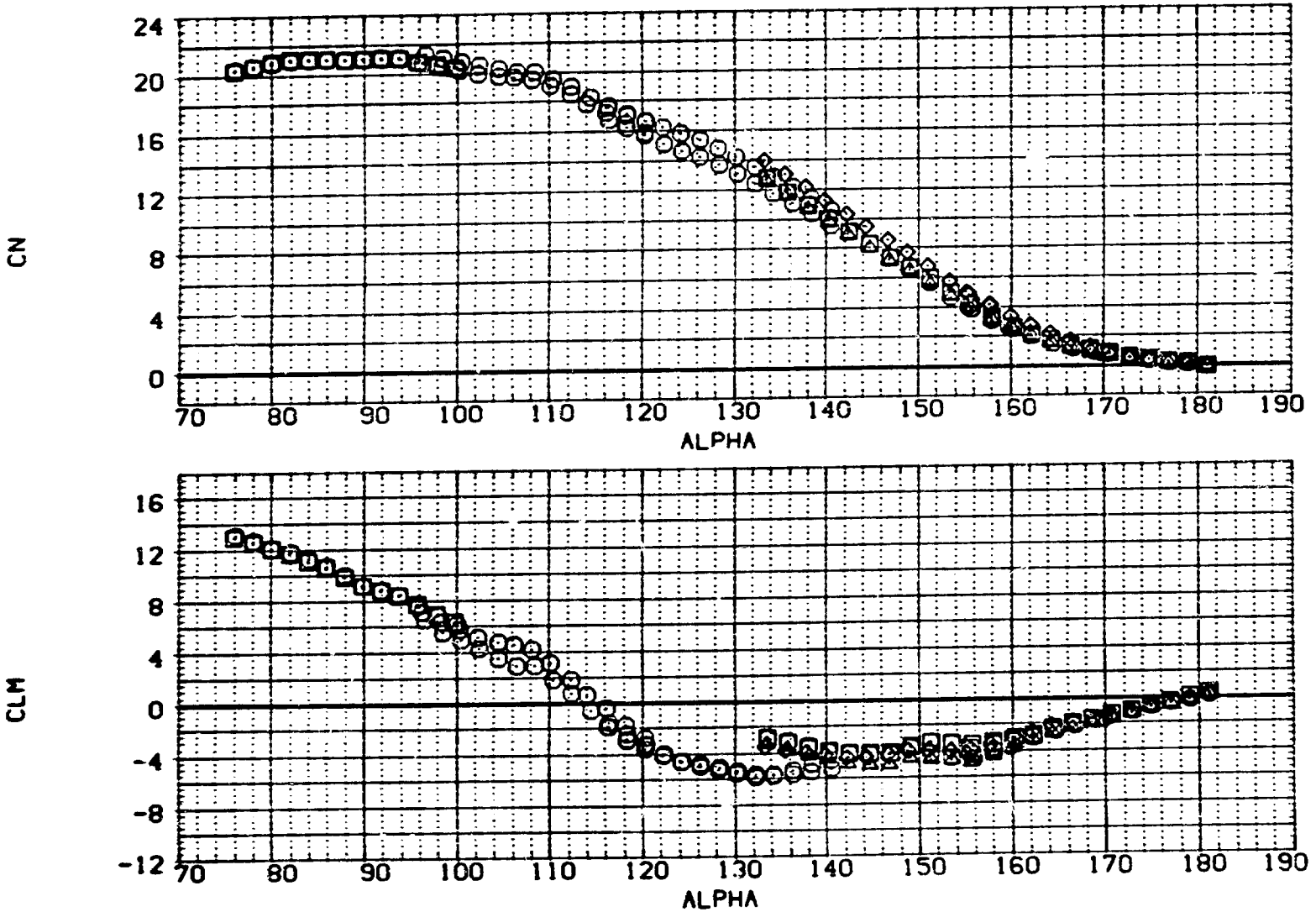
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(E)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
BPSS31		LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS34		LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS41		LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	45.000	1.000	1.000
BPSS49		LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BPSS52		LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BPSS57		LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

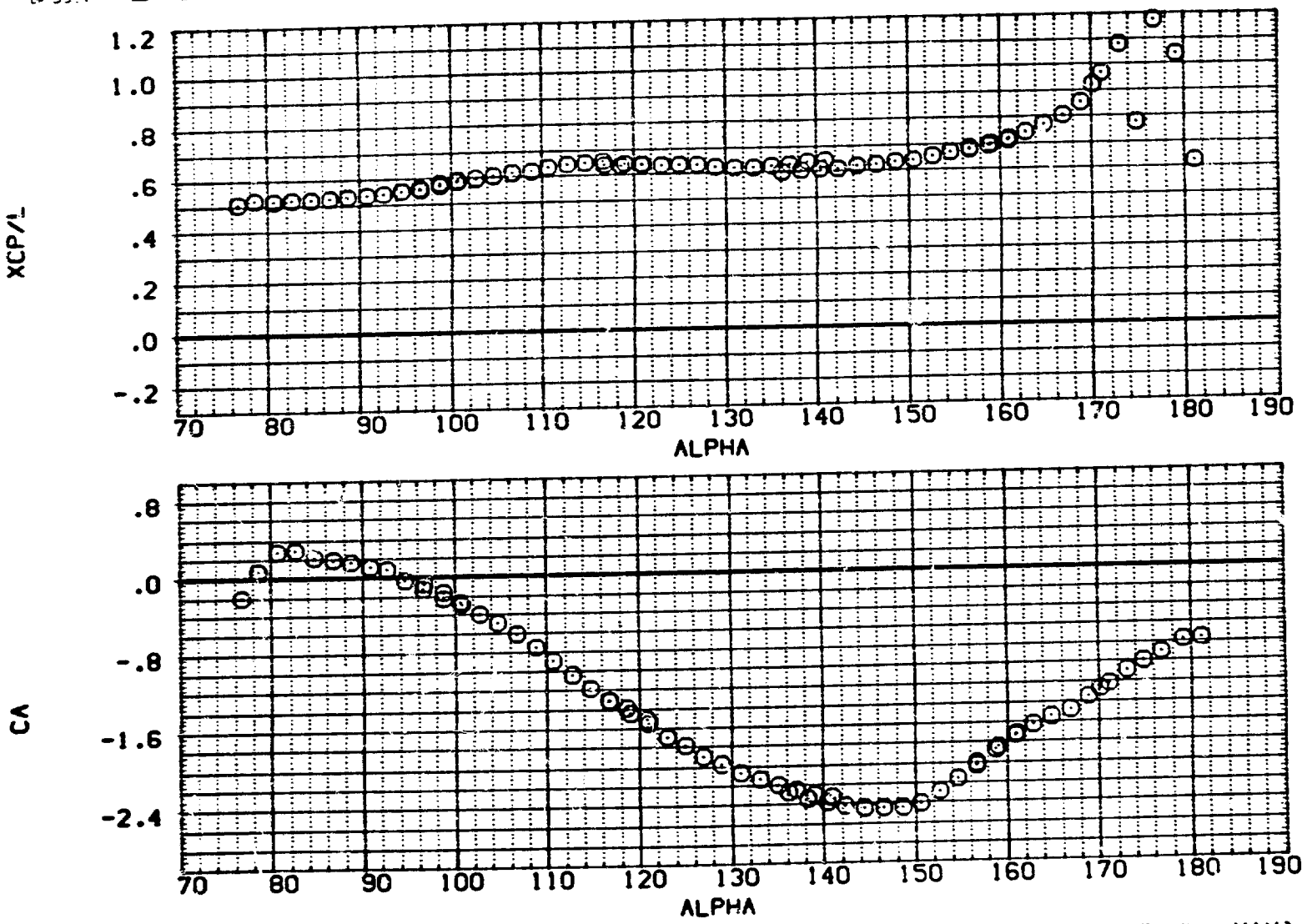
(F)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[illegible]	LARC STPT-[illegible]SA-2FA SRB (NOSE DOWN)
[illegible]	LARC STPT-[illegible]SA-2FA SRB (NOSE DOWN)
[illegible]	DATA NOT AVAILABLE
[illegible]	DATA NOT AVAILABLE
[illegible]	DATA NOT AVAILABLE
[illegible]	DATA NOT AVAILABLE

PHI	ATTRNC	ELETUN
.000	1.000	.000
.000	1.000	.000
45.000	1.000	1.000
90.000	1.000	1.000
90.000	1.000	1.000
135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

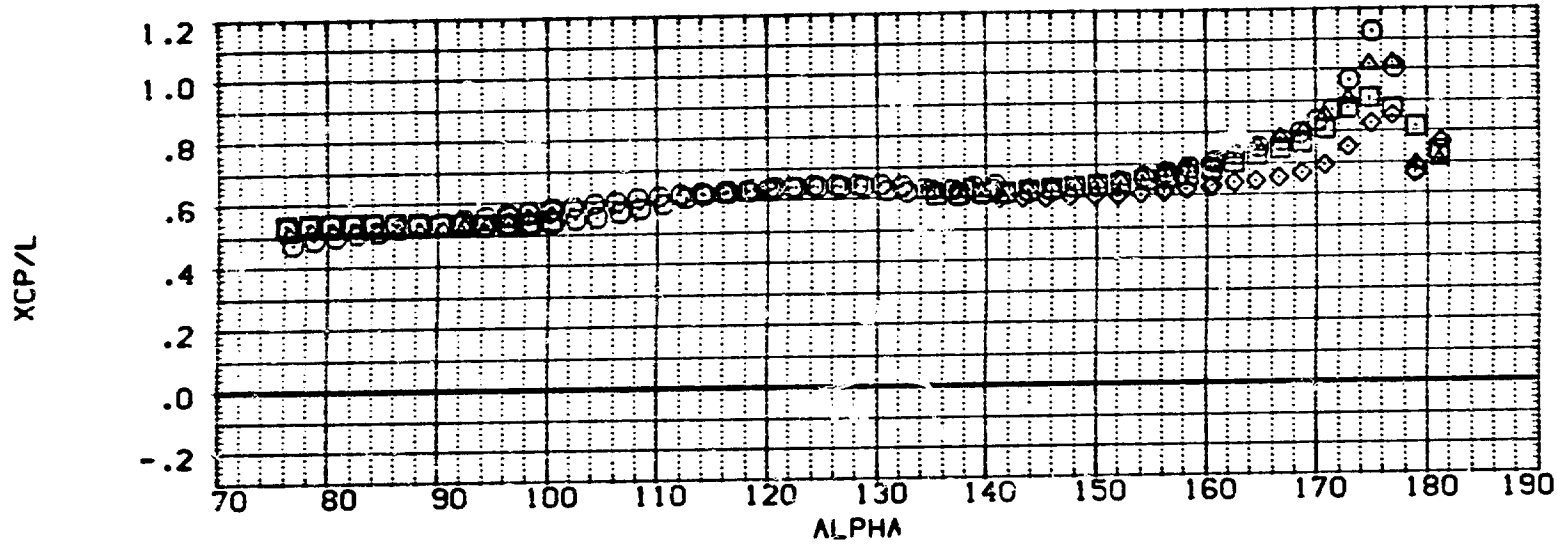


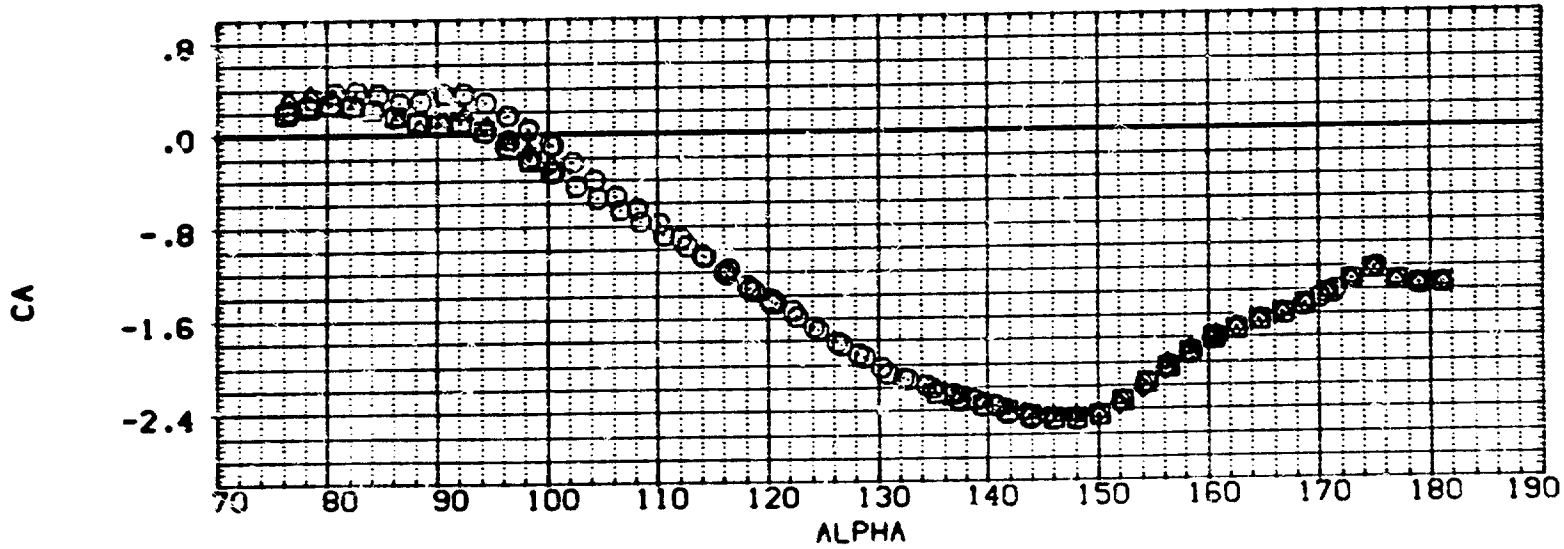
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
[illegible]	○	LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
[illegible]	□	LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
[illegible]	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	45.000	1.000	1.000
[illegible]	△	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
[illegible]	▽	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
[illegible]	◁	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	135.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





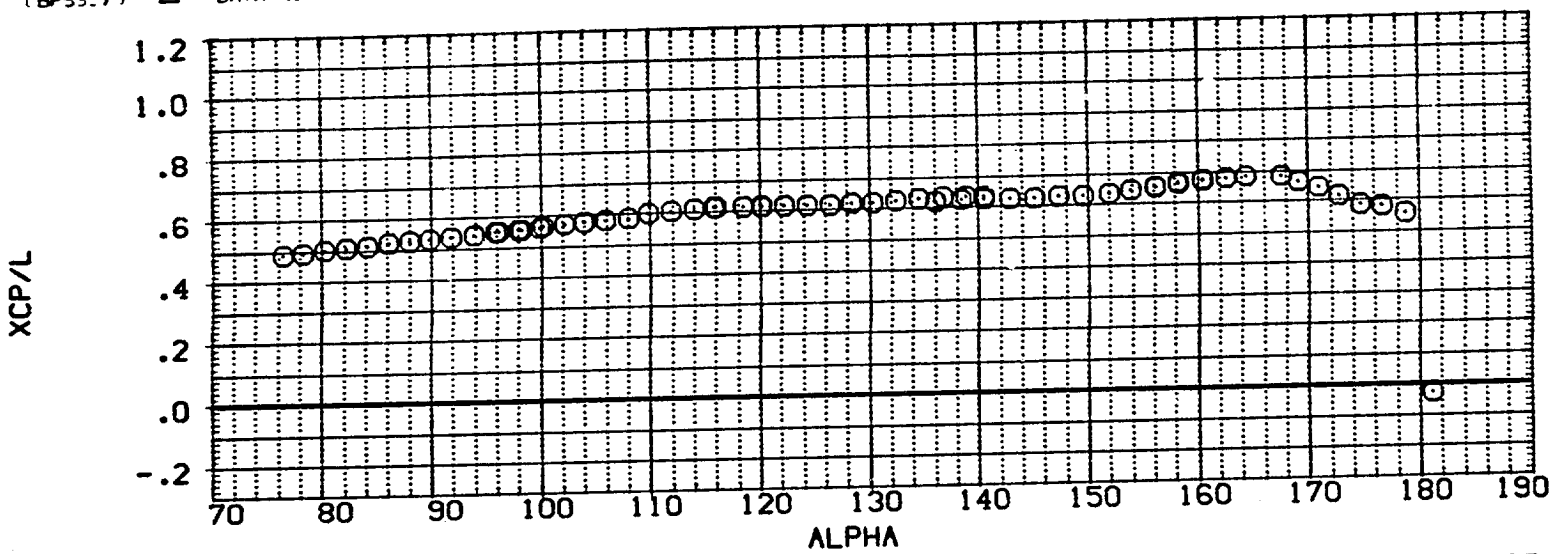
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

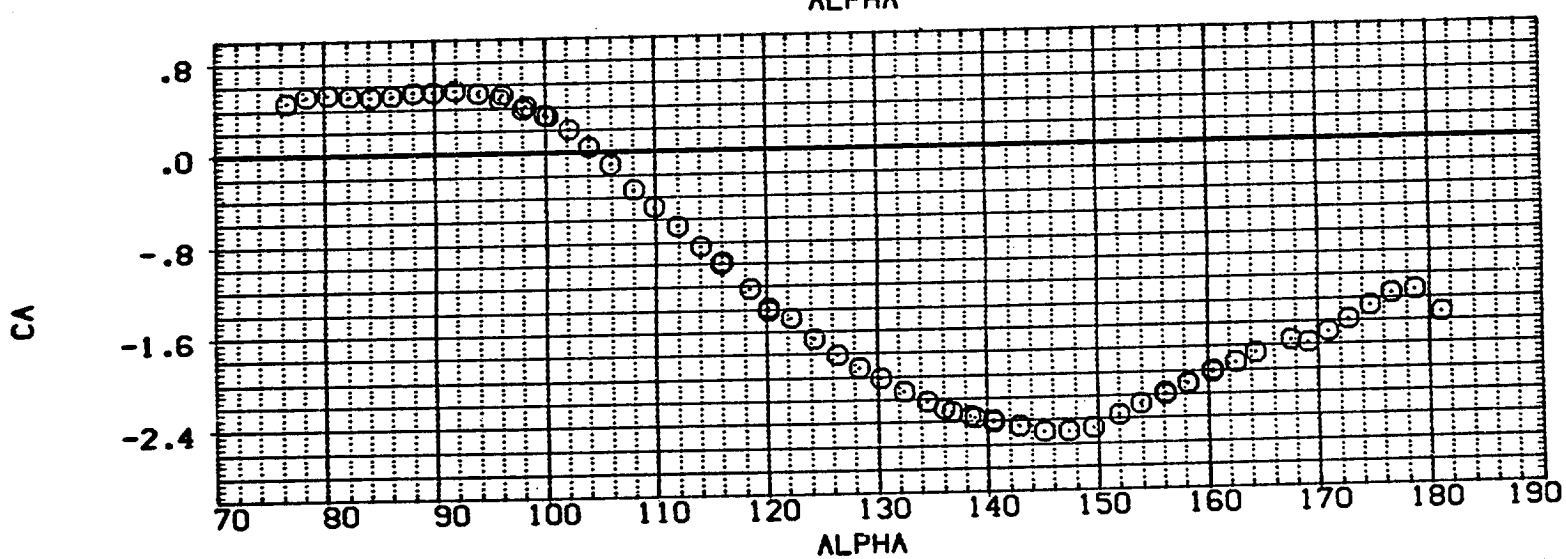
(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
(BPSS31)	○	LARC 8T -655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
(BPSS34)	○	LARC 8T -655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
(BPSS41)	□	DATA NOT AVAILABLE	45.000	1.000	1.000
(BPSS49)	□	DATA NOT AVAILABLE	90.000	1.000	1.000
(BPSS52)	◇	DATA NOT AVAILABLE	90.000	1.000	1.000
(BPSS57)	△	DATA NOT AVAILABLE	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





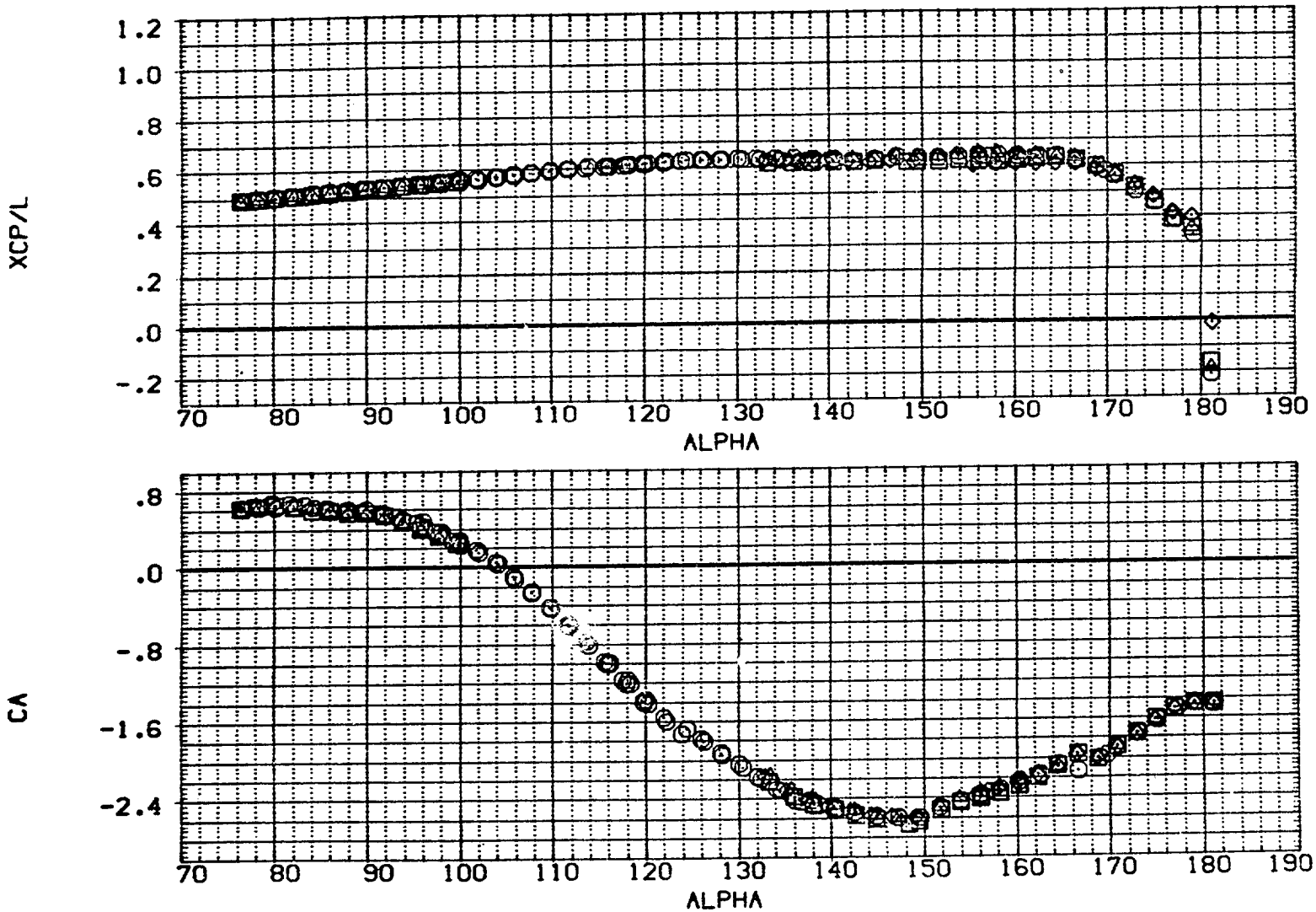
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
(BPSS31)	○	LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
(BPSS34)	□	LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
(BPSS41)	□	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	45.000	1.000	1.000
(BPSS49)	○	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
(BPSS52)	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
(BPSS57)	△	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

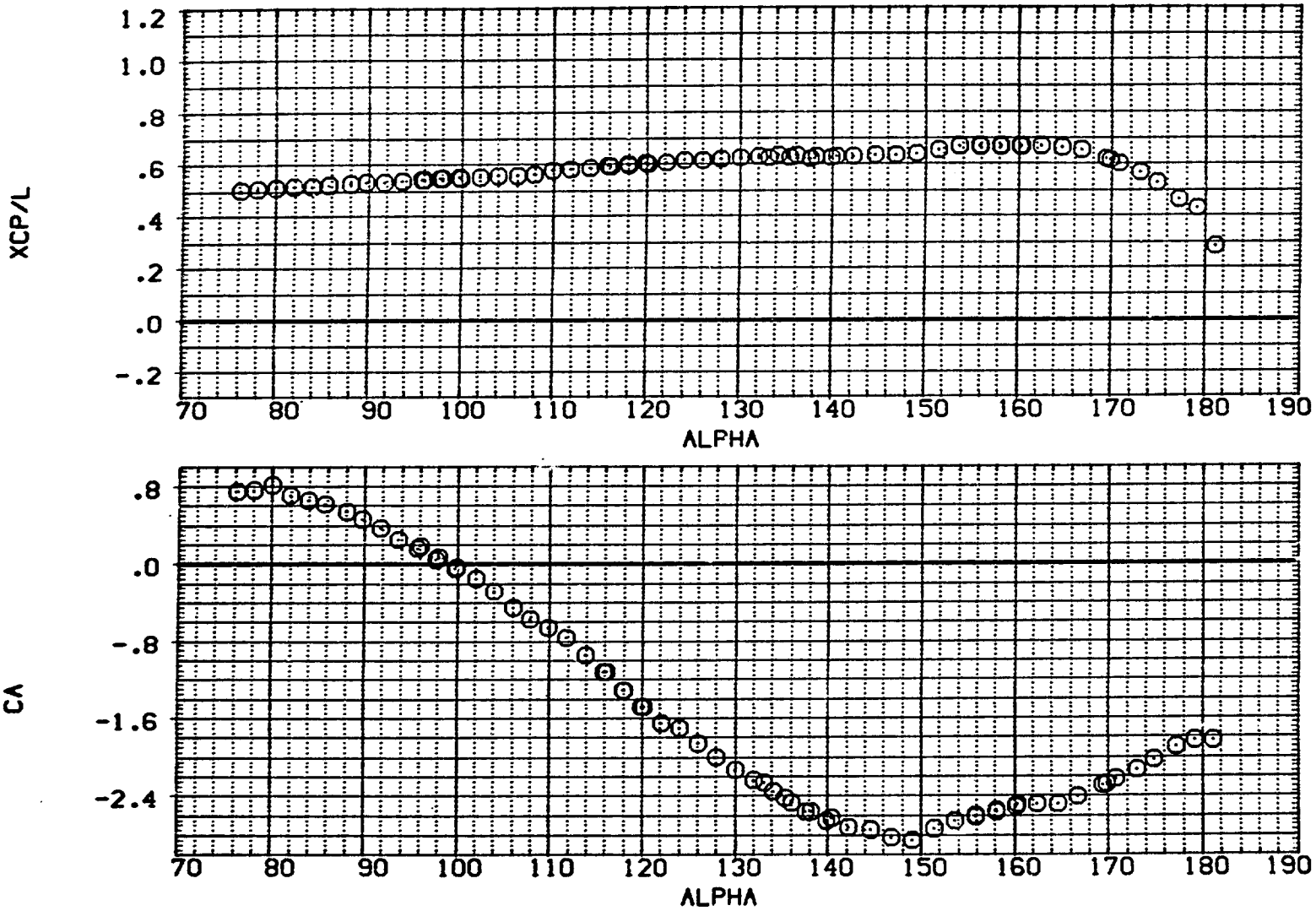


EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(D)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNC	ELETUN
(BPSS31)	LARC BTPT-[illegible] SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
(BPSS34)	LARC BTP[illegible] SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
(BPSS41)	DATA NOT AVAILABLE	45.000	1.000	1.000
(BPSS49)	DATA NOT AVAILABLE	90.000	1.000	1.000
(BPSS52)	DATA NOT AVAILABLE	90.000	1.000	1.000
(BPSS57)	DATA NOT AVAILABLE	135.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



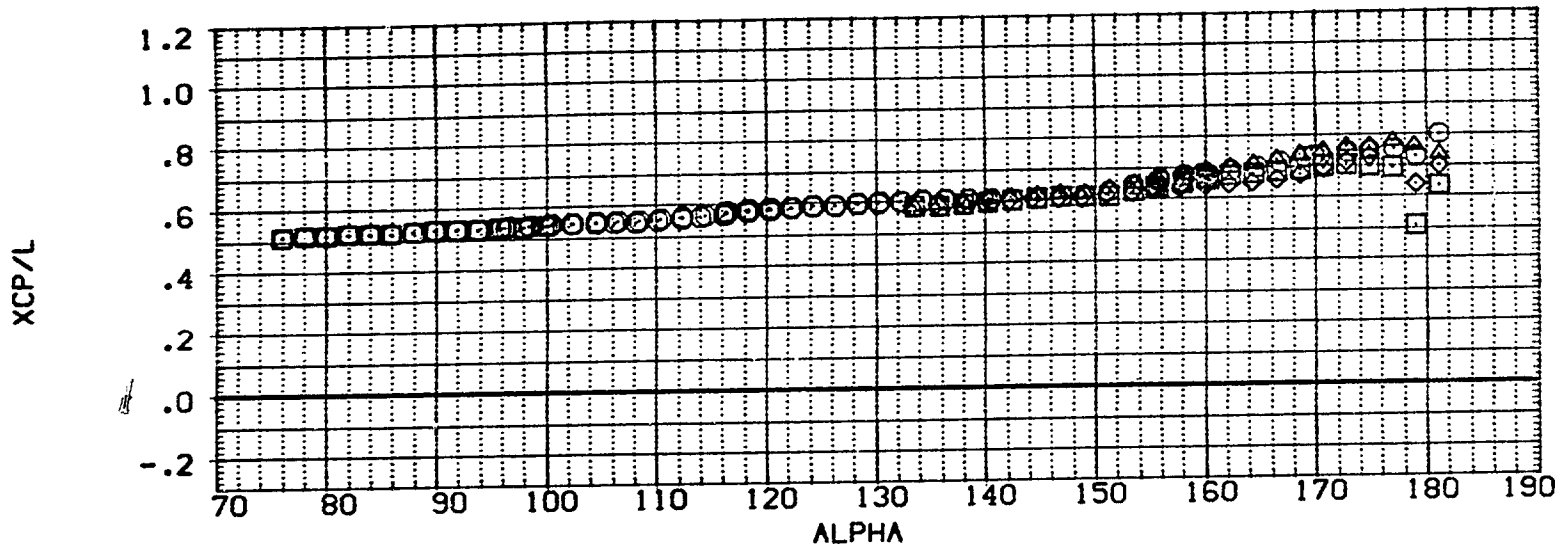
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

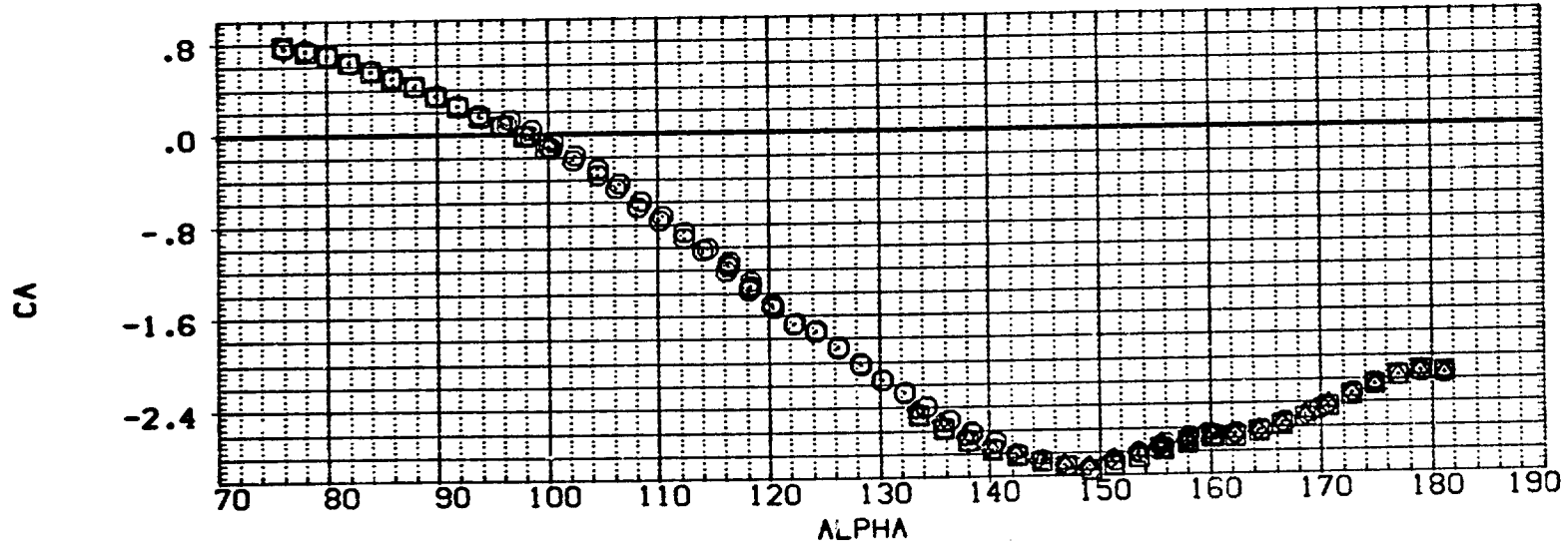
(E)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
BPSS31)	○	LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS34)	□	LARC 8TPT-655(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS41)	□	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	45.000	1.000	1.000
BPSS49)	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BPSS52)	◇	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BPSS57)	△	LARC 8TPT-655(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





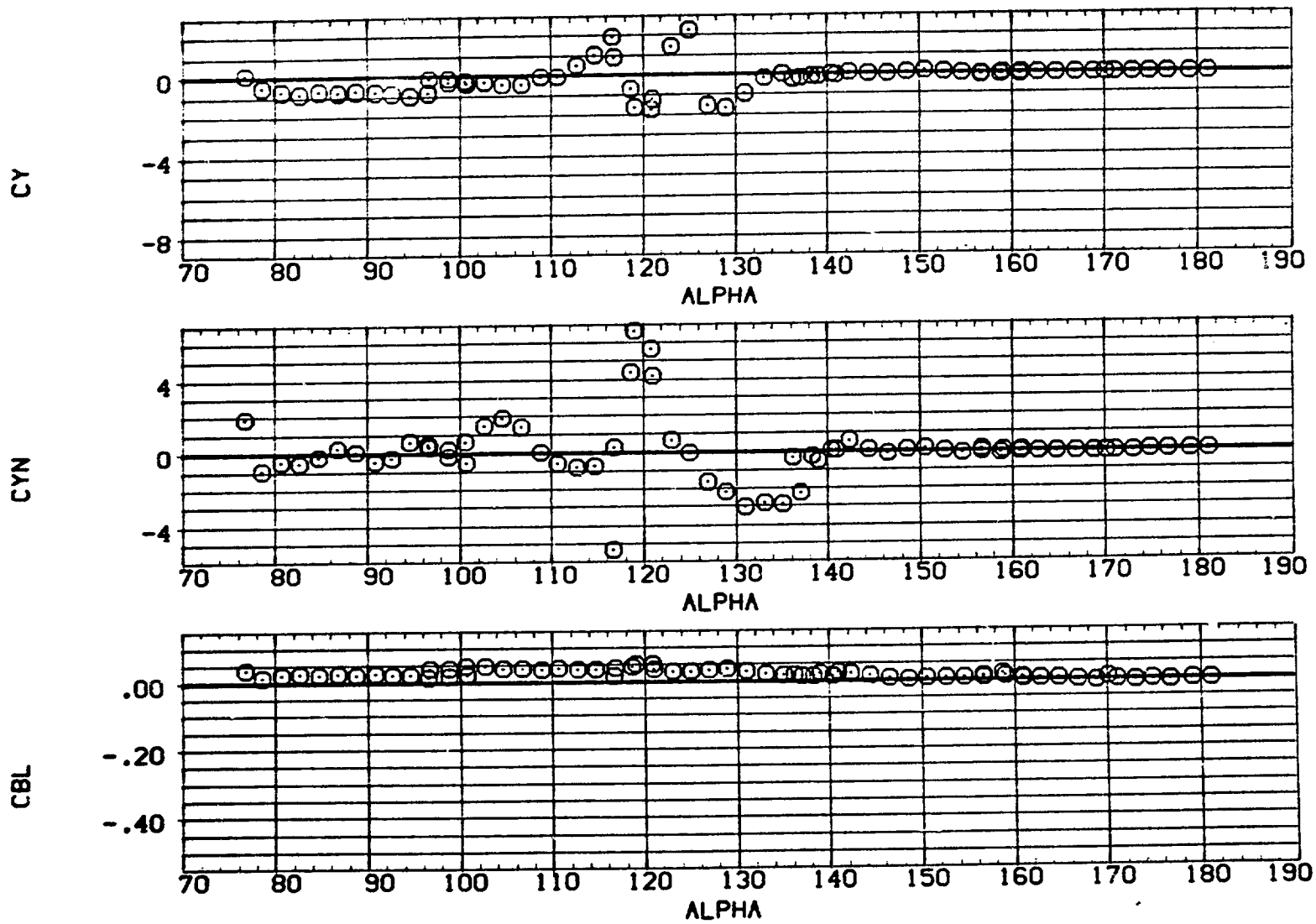
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
[illegible]		LARC 8TFT [illegible] (SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS34		LARC 8TF [illegible] (SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BP[illegible]41		DATA NOT AVAILABLE	45.000	1.000	1.000
BPSS4[illegible]		DATA NOT AVAILABLE	90.000	1.000	1.000
BPSS52		DATA NOT AVAILABLE	90.000	1.000	1.000
BPSS57		DATA NOT AVAILABLE	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



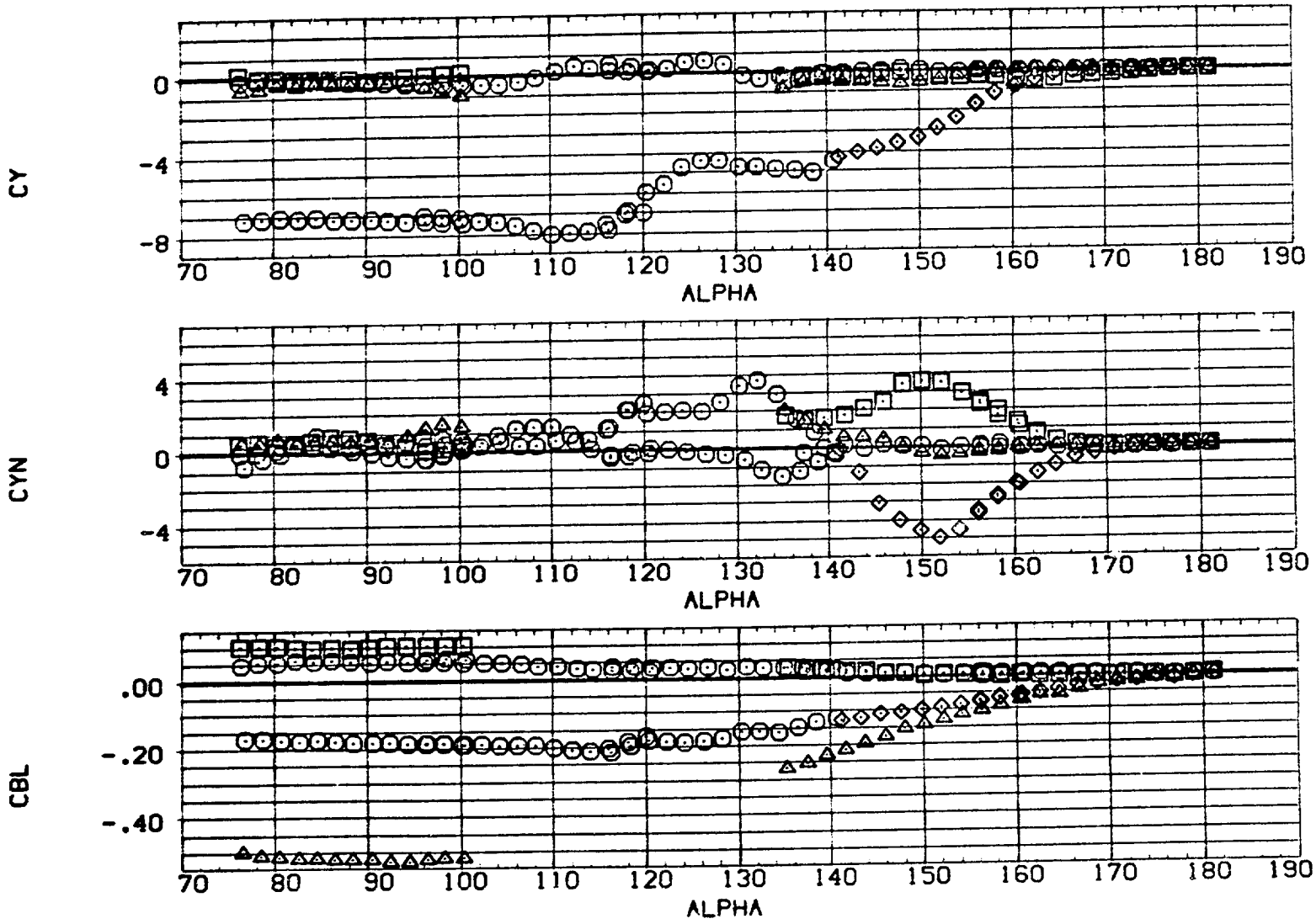
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
BPSS31	○	LARC 8TPT-65S(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS34	□	LARC 8TPT-65S(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS41	▯	LARC 8TPT-65S(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	45.000	1.000	1.000
BPSS49		LARC 8TPT-65S(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BPSS54	◇	LARC 8TPT-65S(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BPSS57	⧖	LARC 8TPT-65S(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



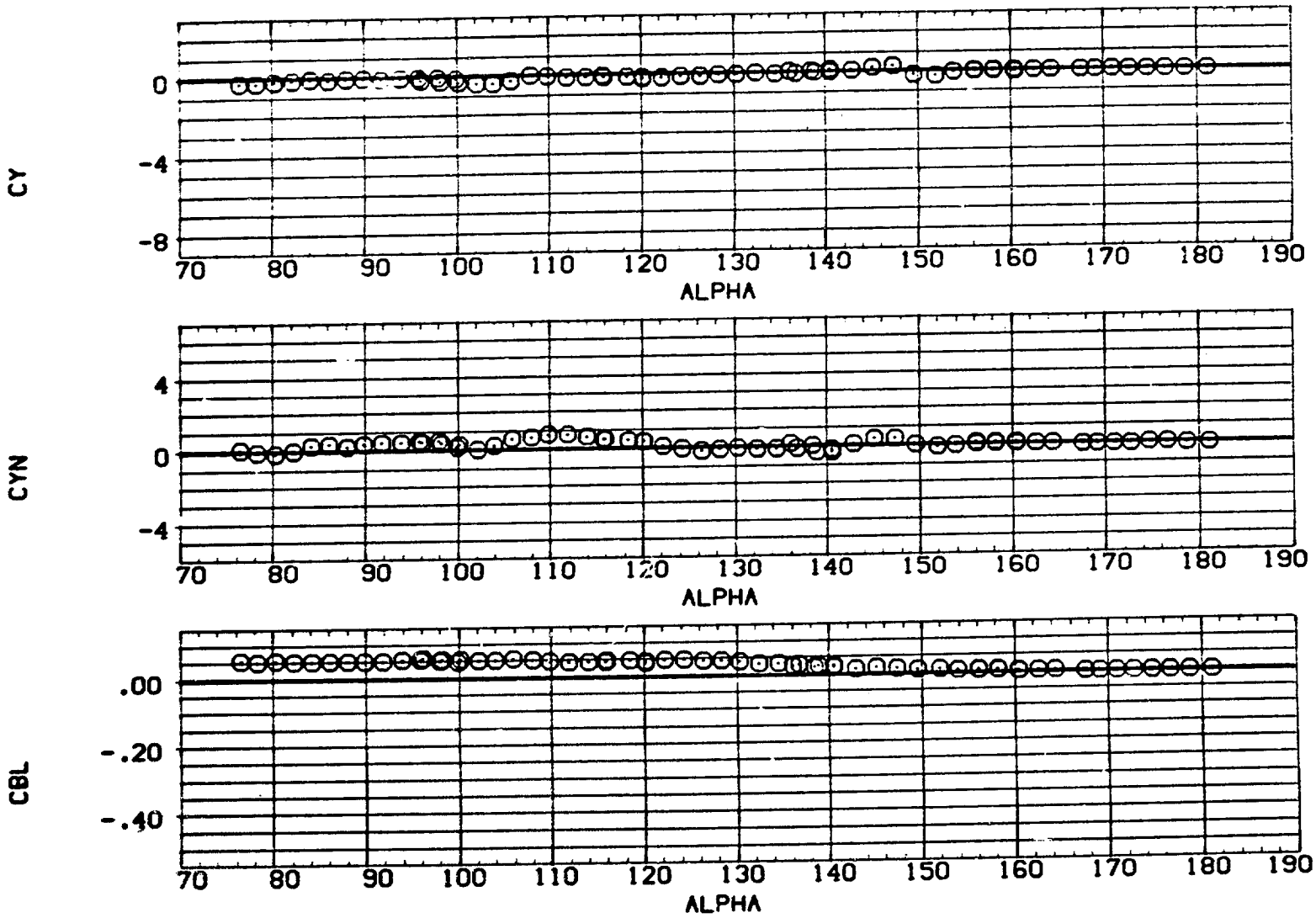
EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
BPS531	○	LARC 8[illegible] SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPS534	□	LARC 8[illegible] SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPS541	□	DATA NOT AVAILABLE	45.000	1.000	1.000
BPS549		DATA NOT AVAILABLE	90.000	1.000	1.000
BPS552	◇	DATA NOT AVAILABLE	90.000	1.000	1.000
BPS557	△	DATA NOT AVAILABLE	135.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

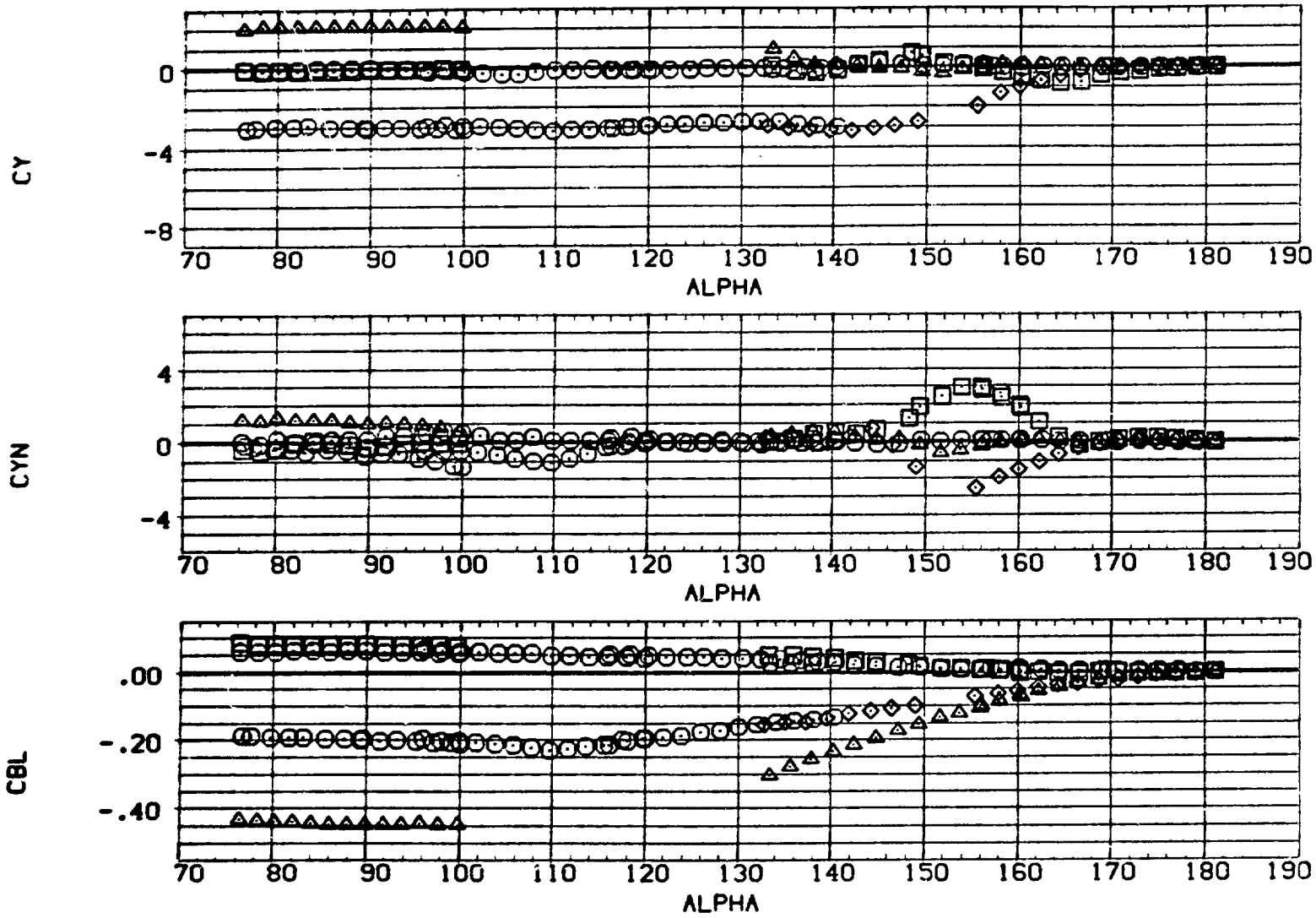


EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETON
BPSS31	○	LARC 8TPT-6SS(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS34	△	LARC 8TPT-6SS(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
BPSS41	□	LARC 8TPT-6SS(SA-2FA) SRB W/EL.TN./T AT(NOSE DN)	45.000	1.000	1.000
BPSS43	◇	LARC 8TPT-6SS(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BPSS52	⧖	LARC 8TPT-6SS(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
BPSS57	⧖	LARC 8TPT-6SS(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	135.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

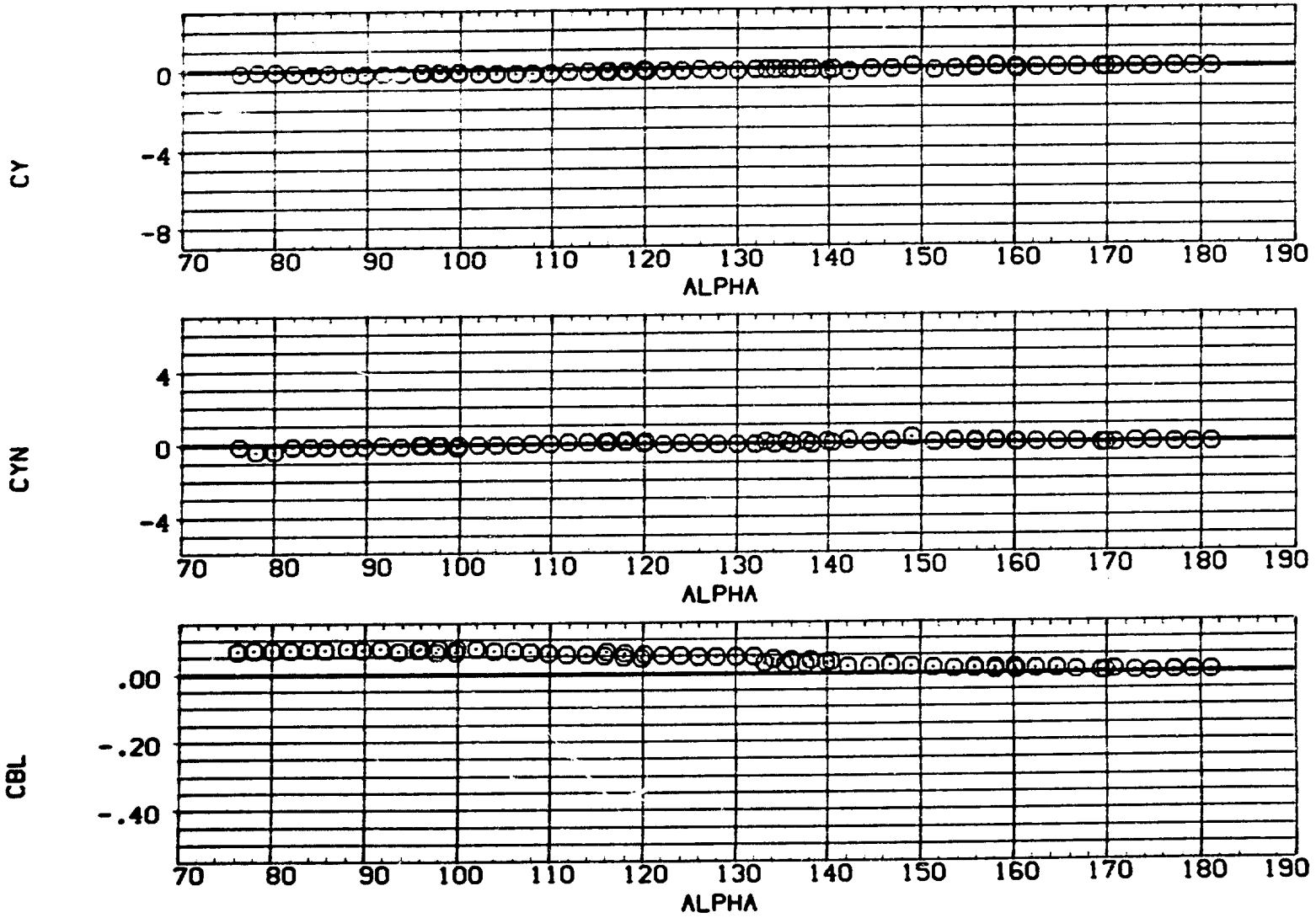


EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETON
[illegible]	—	[illegible] SA-2FA1 SRB (NOSE DOWN)	.000	1.000	.000
[illegible]	—	[illegible] SA-2FA1 SRB (NOSE DOWN)	.000	1.000	.000
[illegible]	□	DATA NOT AVAILABLE	45.000	1.000	1.000
[illegible]	□	DATA NOT AVAILABLE	90.000	1.000	1.000
[illegible]	◇	DATA NOT AVAILABLE	90.000	1.000	1.000
[illegible]	◇	DATA NOT AVAILABLE	135.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

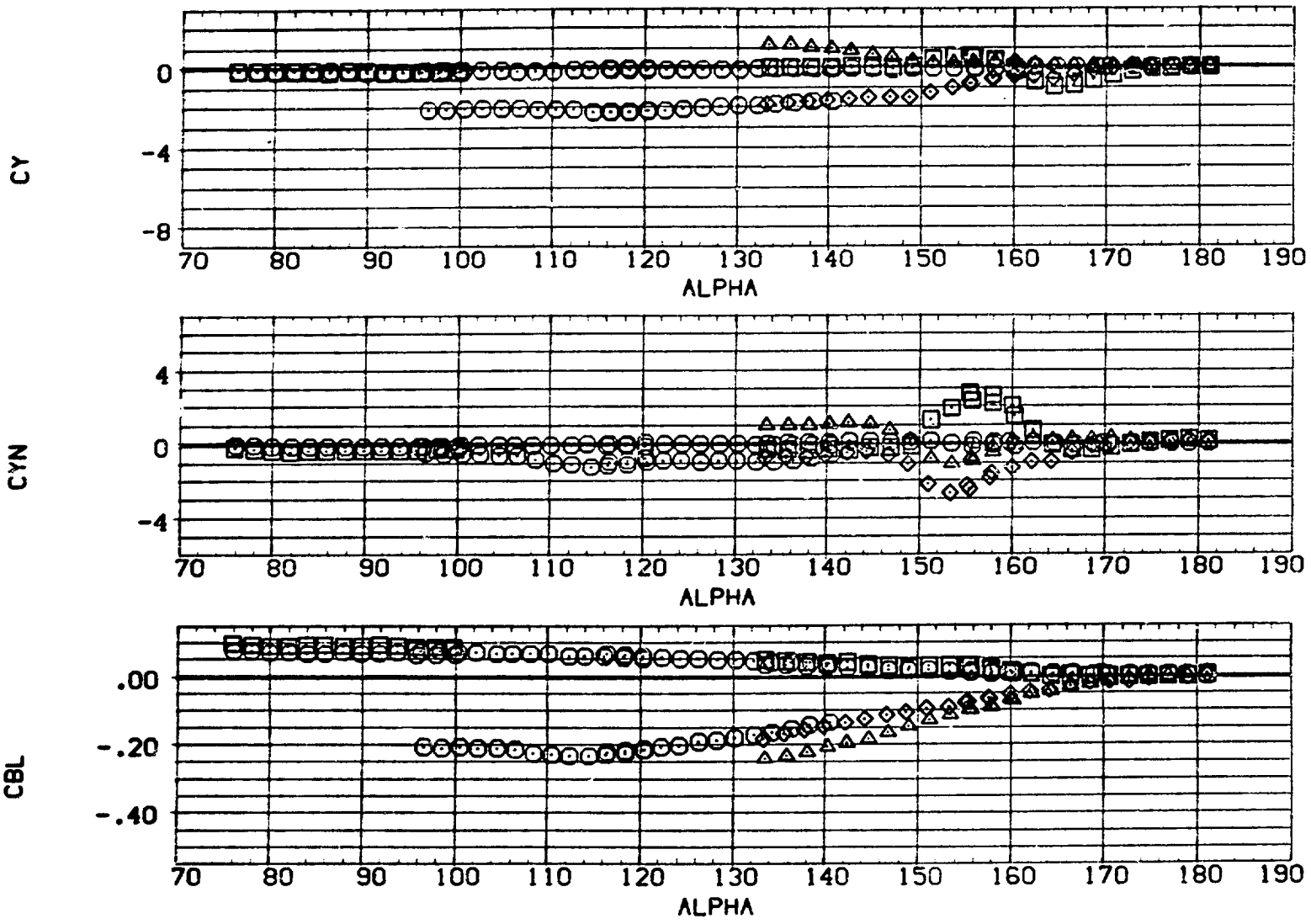


EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(E)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	ATTRNG	ELETUN
(BPSS31)	○	LARC 8TPT-65S(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
(BPSS34)	○	LARC 8TPT-65S(SA-2FA) SRB (NOSE DOWN)	.000	1.000	.000
(BPSS41)	□	LARC 8TPT-65S(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	45.000	1.000	1.000
(BPSS49)	□	LARC 8TPT-65S(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
(BPSS52)	◇	LARC 8TPT-65S(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	90.000	1.000	1.000
(BPSS57)	△	LARC 8TPT-65S(SA-2FA) SRB W/EL.TN./T.AT(NOSE DN)	135.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

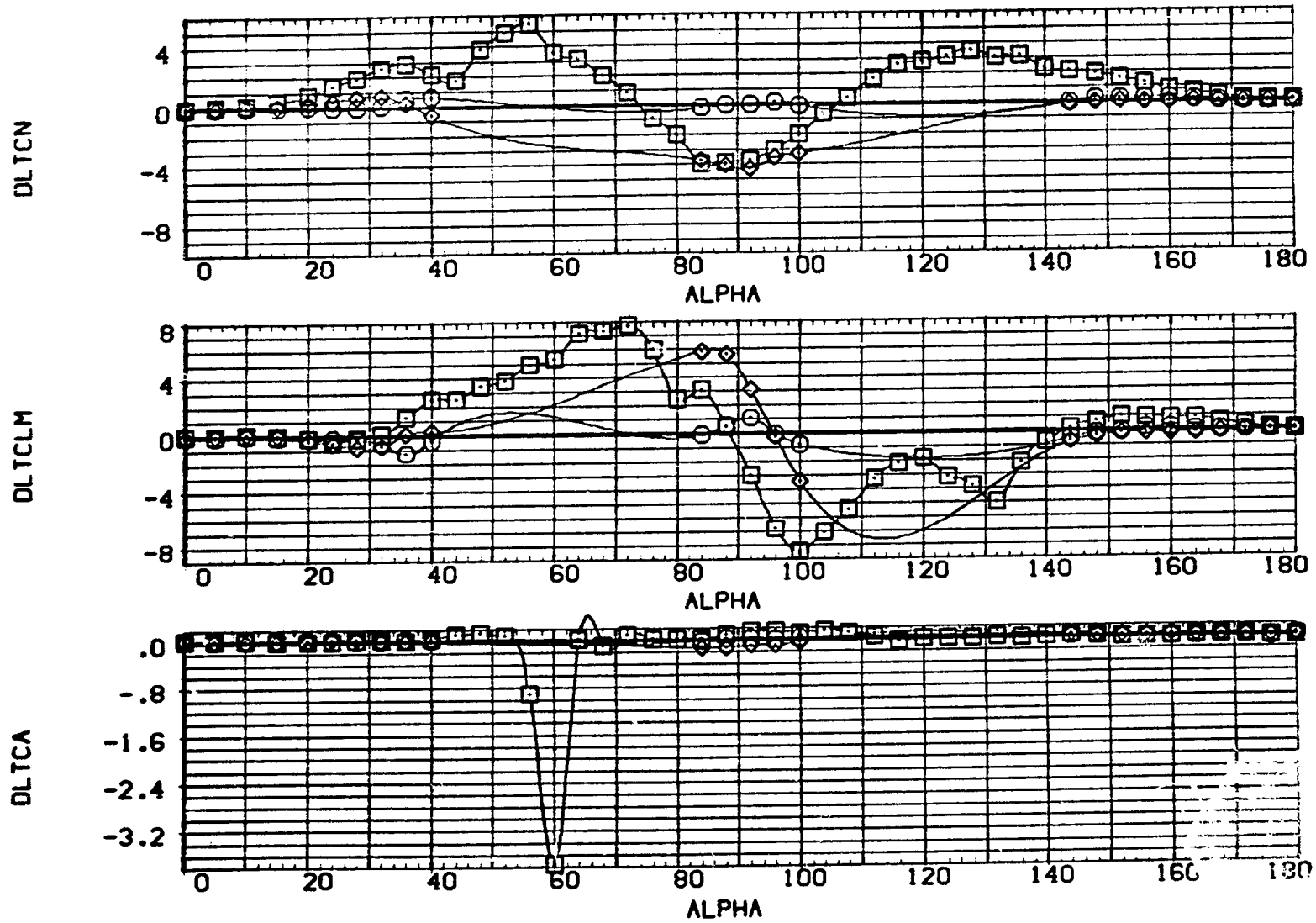


EFFECT OF ANGULAR LOCATION OF ELECT. TUNNEL AND THRUST ATT. STRUCT. (RN/L= MAX)

(F)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNG	ELETUN
BPSSC2	LARC 8T [illegible] (SA-2FA) SRB (PROTUBERANCE INCRMNT)	45.000	1.000	
BPSSC3	LARC 8T [illegible] (SA-2FA) SRB (PROTUBERANCE INCRMNT)	90.000	1.000	
BPSSC4	LARC 8T [illegible] (SA-2FA) SRB (PROTUBERANCE INCRMNT)	135.000	1.000	

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

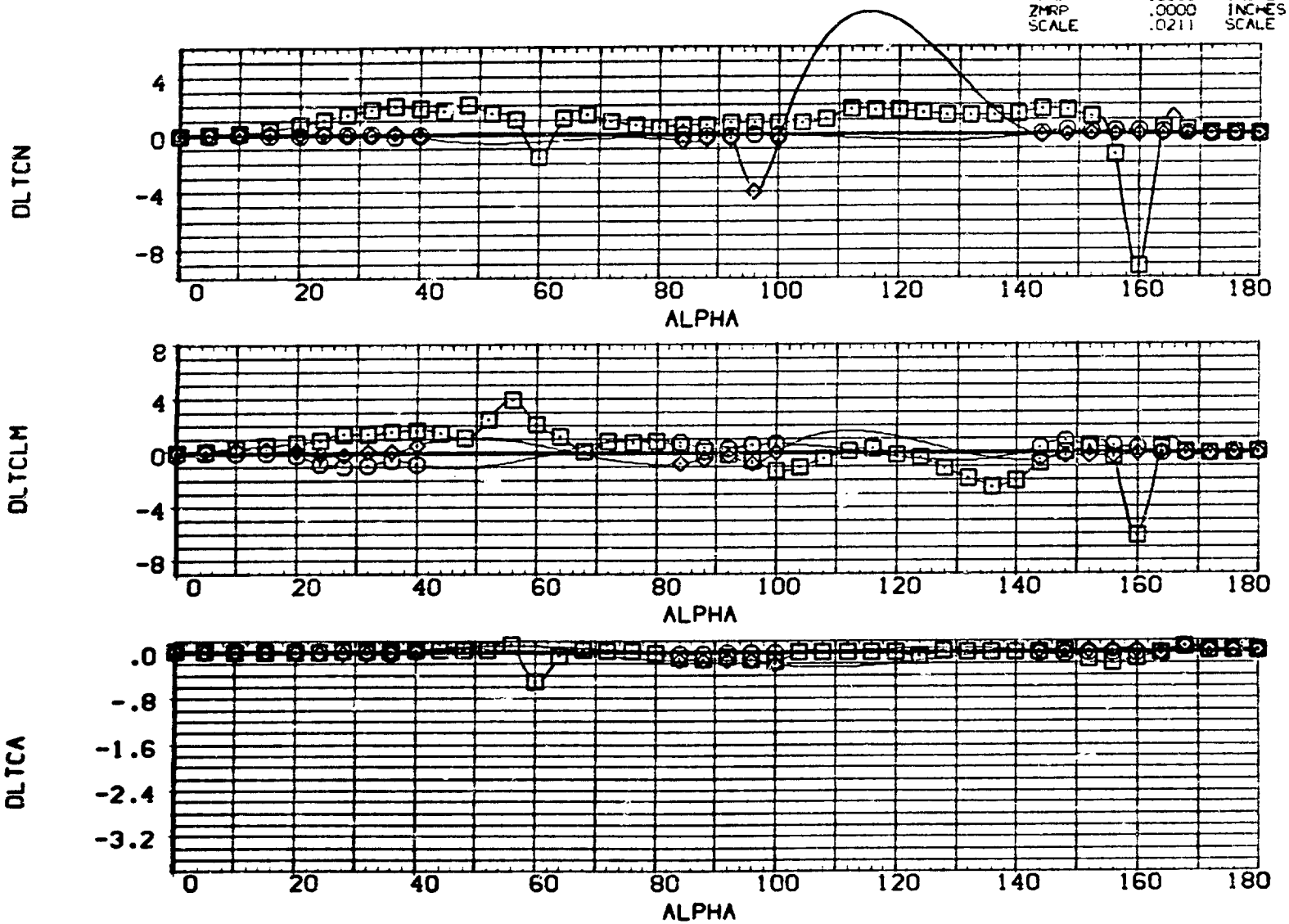


INCREMENTAL EFFECTS OF ANG. LOC. OF ELECT. TUNNEL AND TH. ATT. STR. (RN/L=MAX)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNC	ELETUN
(BPSS02)	LARC 8TPT-655(SA-2FA) SRB (PROTUBERANCE INCRMNT)	45.000	1.000	
(BPSS03)	LARC 8TPT-655(SA-2FA) SRB (PROTUBERANCE INCRMNT)	90.000	1.000	
(BPSS04)	LARC 8TPT-655(SA-2FA) SRB (PROTUBERANCE INCRMNT)	135.000	1.000	

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

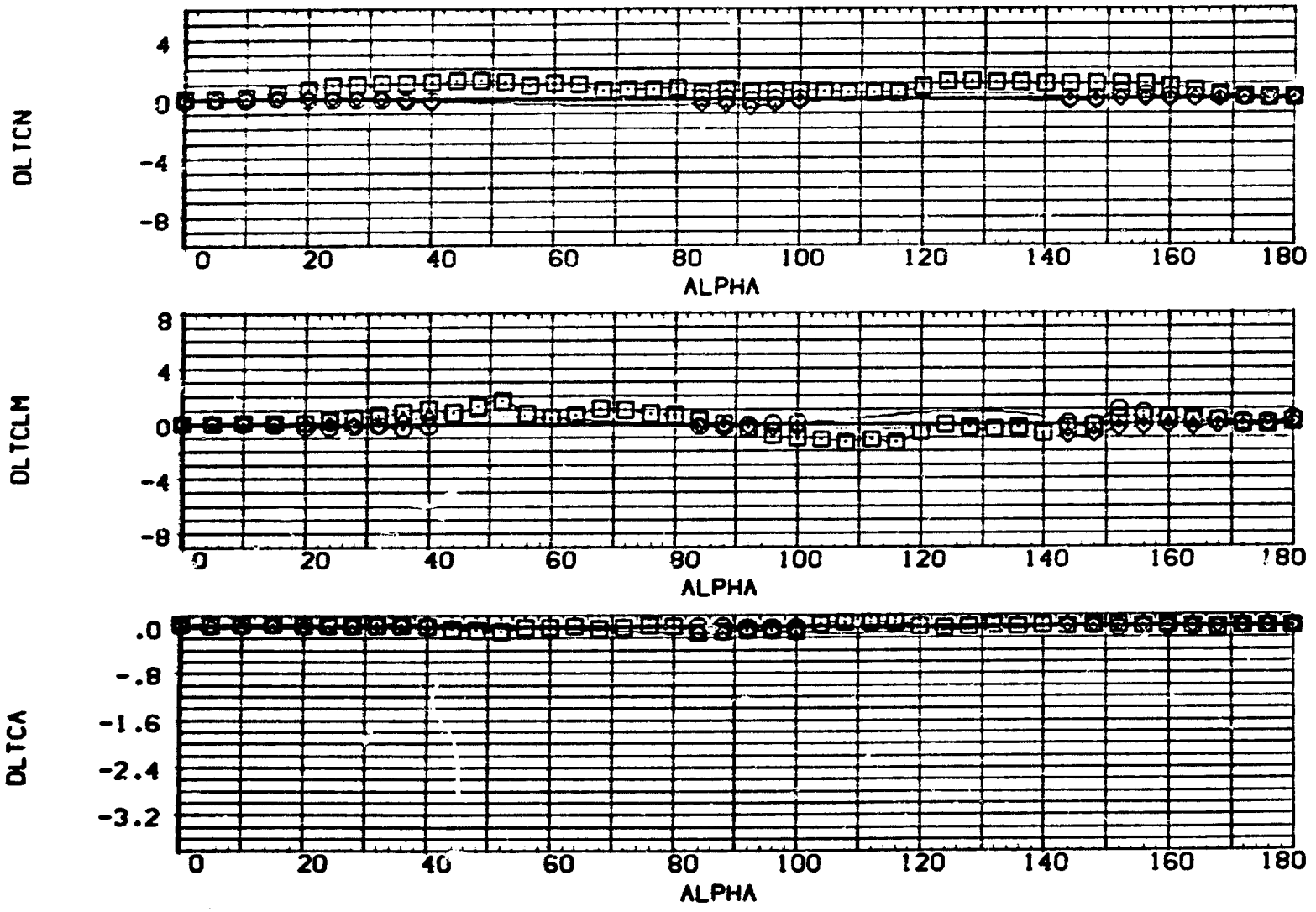


INCREMENTAL EFFECTS OF ANG. LOC. OF ELECT. TUNNEL AND TH. ATT. STR. (RN/L=MAX)

(B)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNC	ELETUN
[illegible]		LARC BTRT-655 SA-2FA SRB (PROTUBERANCE INCRMNT)	45.000	1.000	
[illegible]		LARC BTRT-655 SA-2FA SRB (PROTUBERANCE INCRMNT)	90.000	1.000	
[illegible]		LARC BTRT-655 SA-2FA SRB (PROTUBERANCE INCRMNT)	135.000	1.000	

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



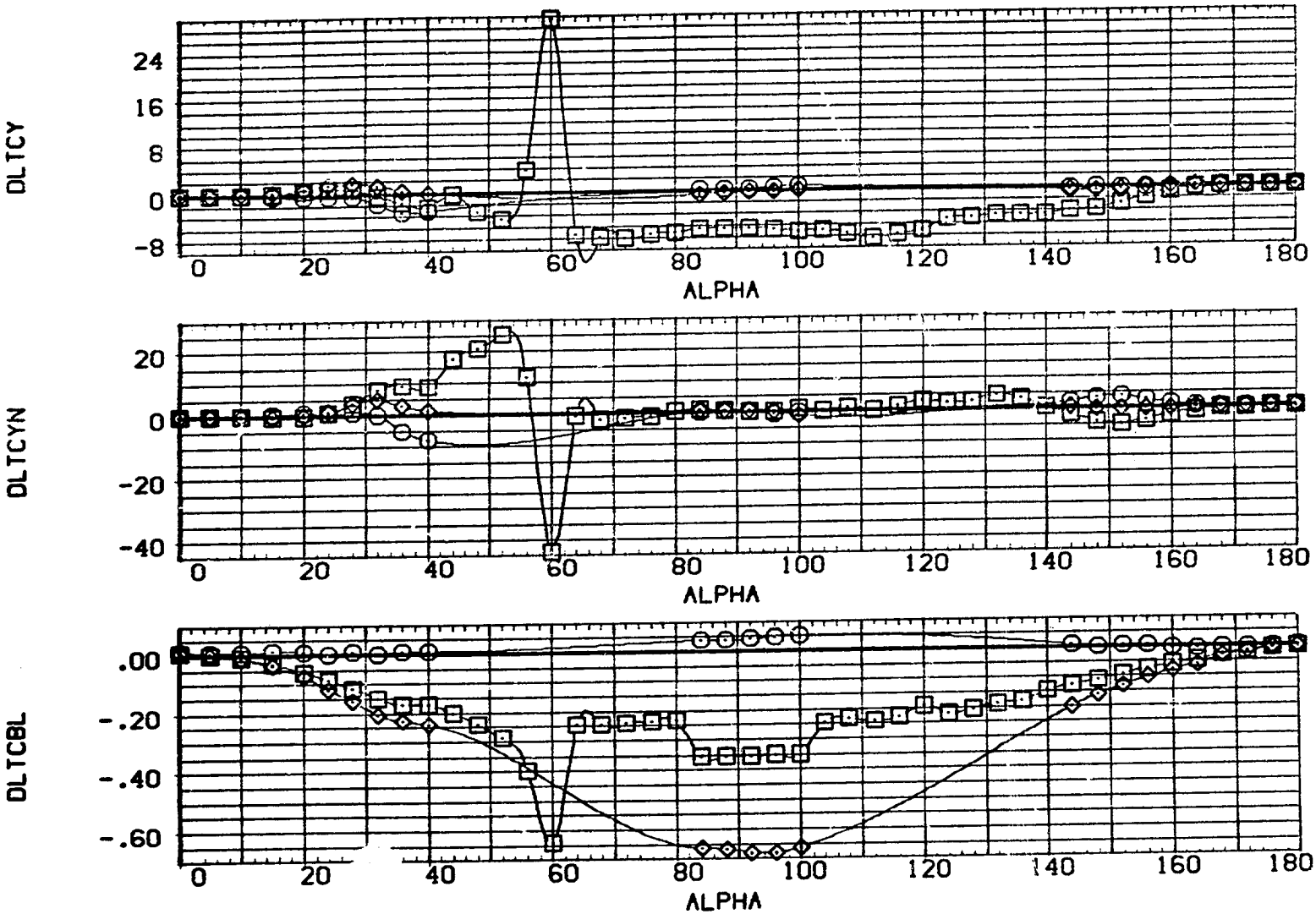
INCREMENTAL EFFECTS OF ANG. LOC. OF ELECT. TUNNEL AND TH. ATT. STR. (RN/L=MAX)

(C)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNG	ELETUN
(BPS502)	LARC 8TPT-655(SA-2FA) SRB (PROTUBERANCE INCRMNT)	45.000	1.000	
(BPS503)	LARC 8TPT-655(SA-2FA) SRB (PROTUBERANCE INCRMNT)	90.000	1.000	
(BPS504)	LARC 8TPT-655(SA-2FA) SRB (PROTUBERANCE INCRMNT)	135.000	1.000	

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



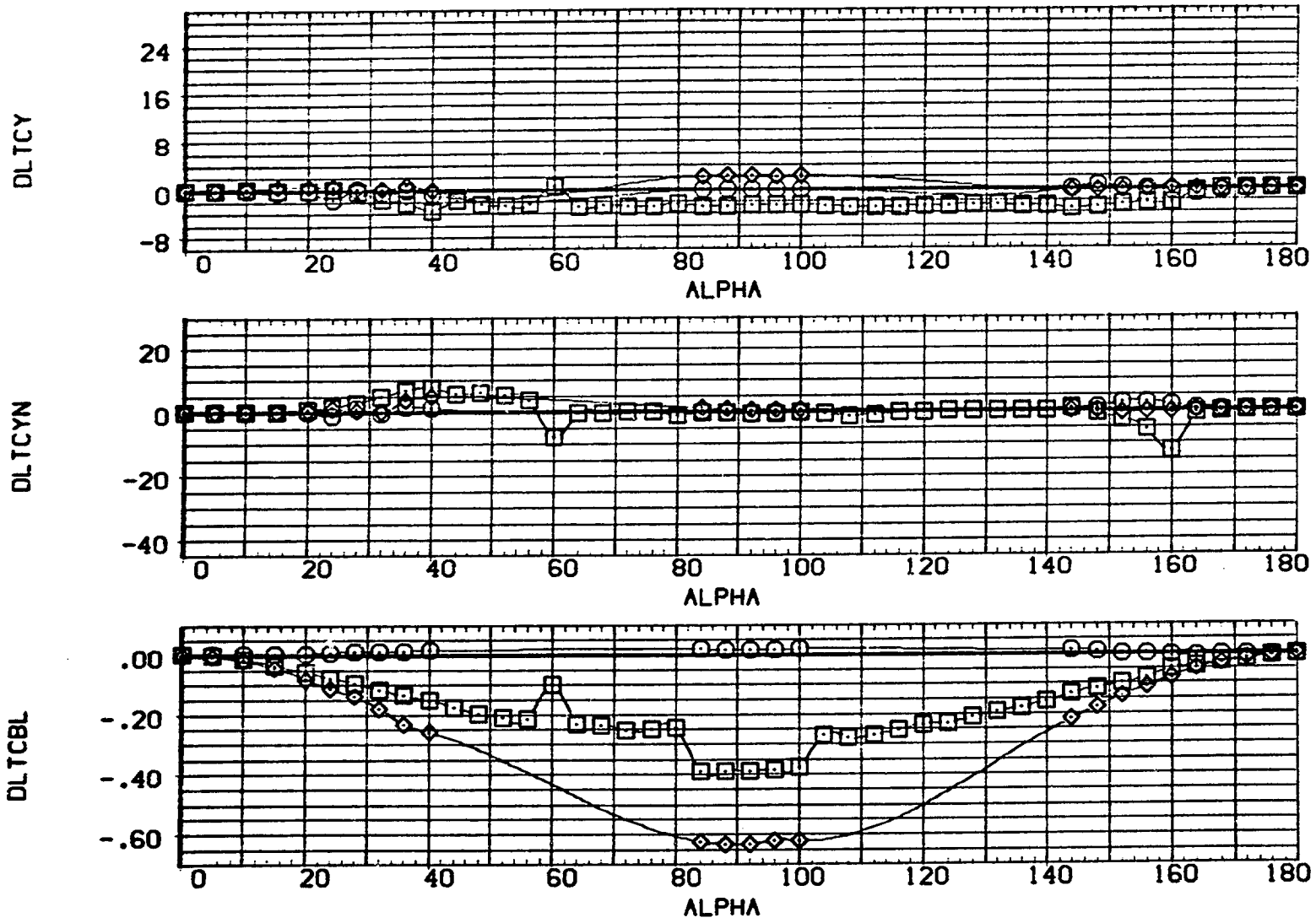
INCREMENTAL EFFECTS OF ANG. LOC. OF ELECT. TUNNEL AND TH. ATT. STR. (RN/L=MAX)

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNG	ELETUN
[illegible]	○	LARC BTBT-655 SA-2FA SRB (PROTUBERANCE INCRMNT)	45.000	1.000	
[illegible]	□	LARC BTBT-[illegible]5 SA-2FA SRB (PROTUBERANCE INCRMNT)	90.000	1.000	
[illegible]	◇	LARC BTB-655 SA-2FA SRB (PROTUBERANCE INCRMNT)	135.000	1.000	

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



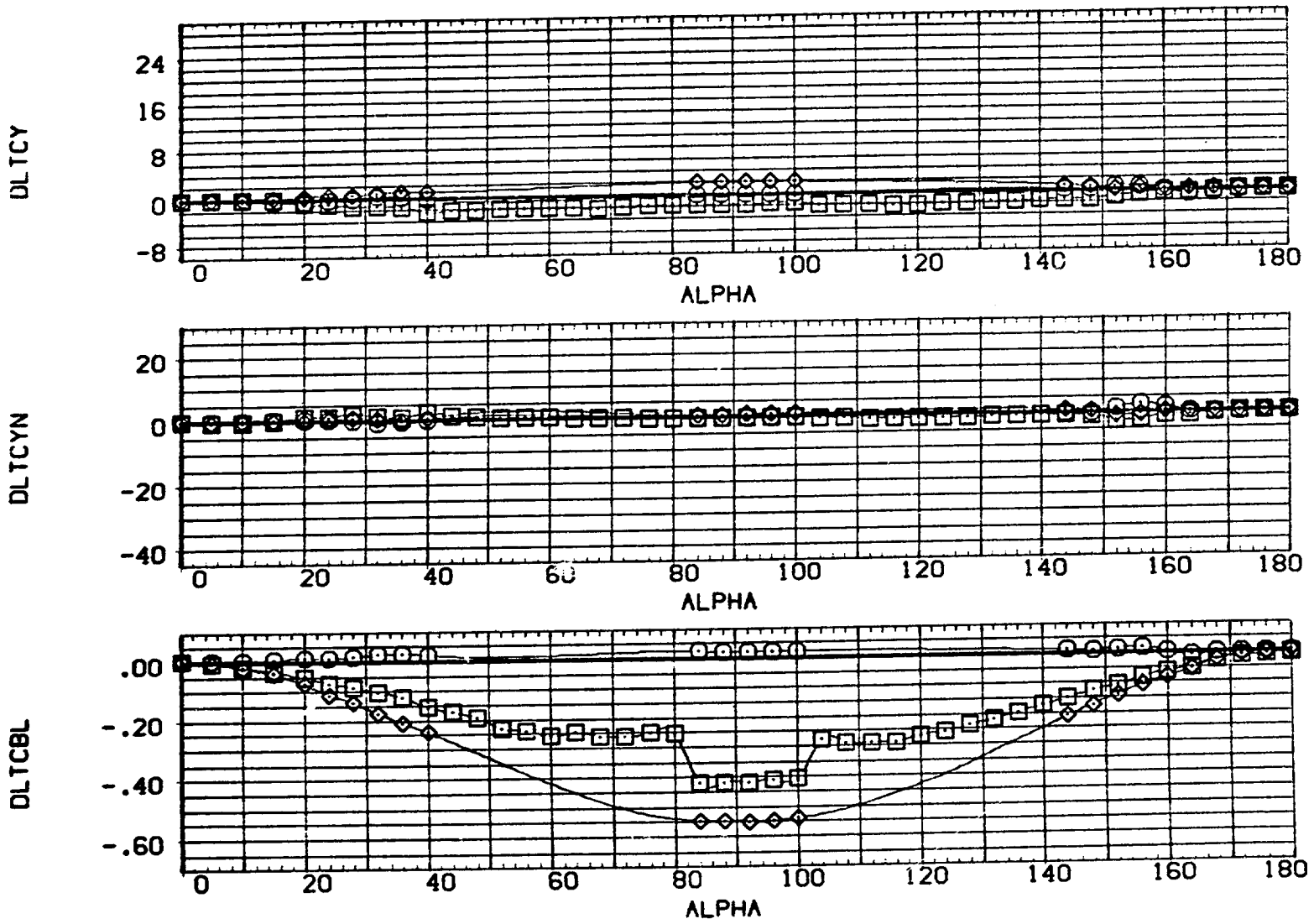
INCREMENTAL EFFECTS OF ANG. LOC. OF ELECT. TUNNEL AND TH. ATT. STR. (RN/L=MAX)

(B)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNG	ELETUN
BPSS02	□	LARC 8TPT-655(SA-2FA) SRB (PROTUBERANCE INCRMNT)	45.000	1.000	
BPSS03	○	LARC 8TPT-655(SA-2FA) SRB (PROTUBERANCE INCRMNT)	90.000	1.000	
BPSS04	◇	LARC 8TPT-655(SA-2FA) SRB (PROTUBERANCE INCRMNT)	135.000	1.000	

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

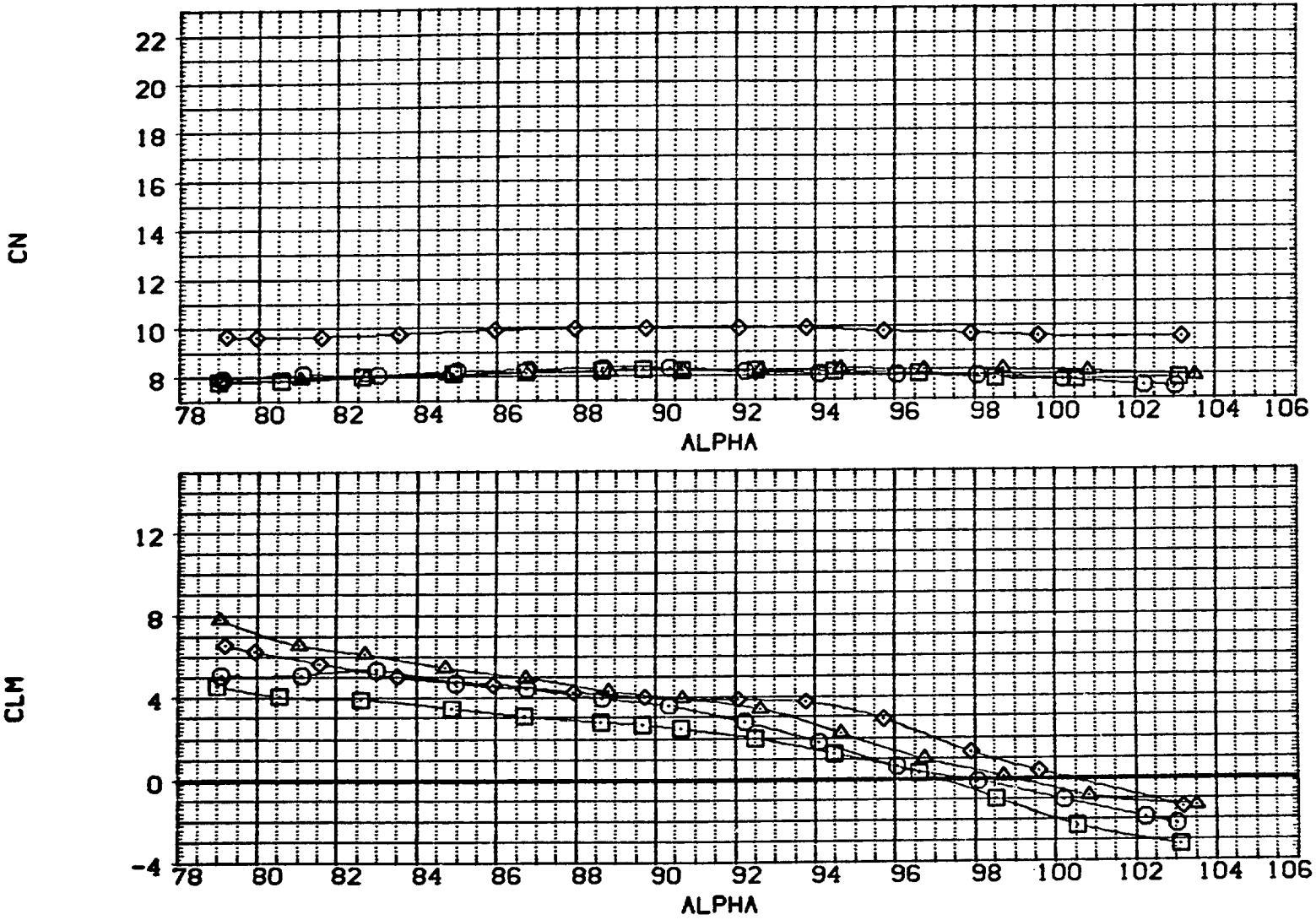


INCREMENTAL EFFECTS OF ANG. LOC. OF ELECT. TUNNEL AND TH. ATT. STR. (RN/L=MAX)

(C)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNC
(BP-A30)	◇	LARC BTPT-[illegible]SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
(BPS019)	□	LARC BT[illegible]SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
(BPSA21)	⊠	LARC BT[illegible]SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
(BP-025)	△	LARC BTPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

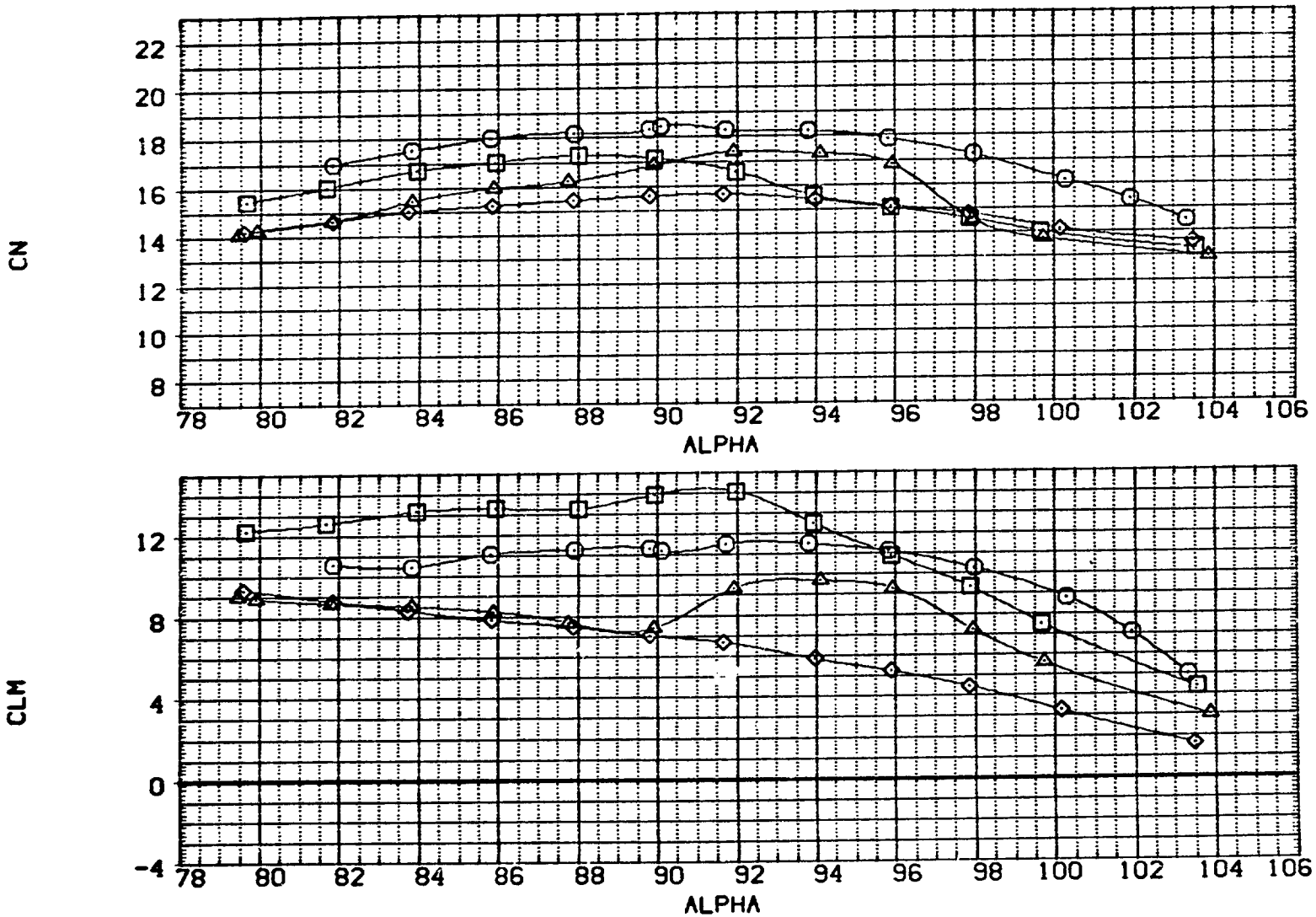


EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNG
BPSA40	□	LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
[illegible]	◇	LARC 8TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
[illegible]	△	LARC 8TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
[illegible]	⊠	LARC 8TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

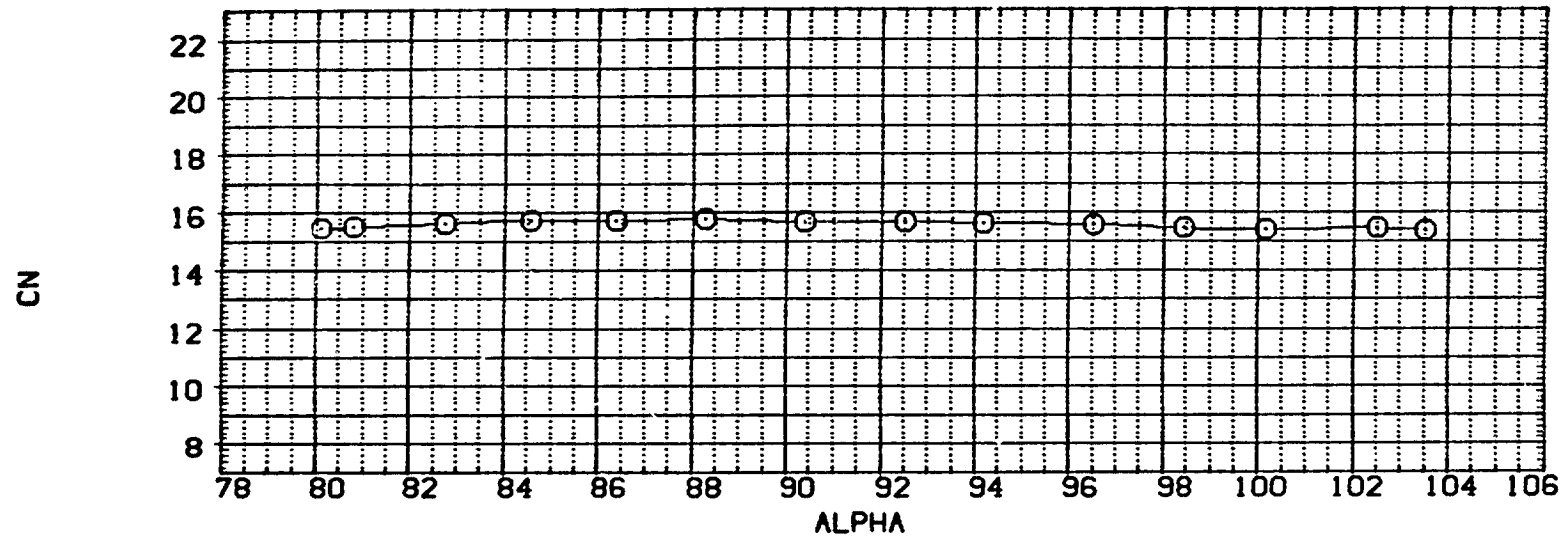


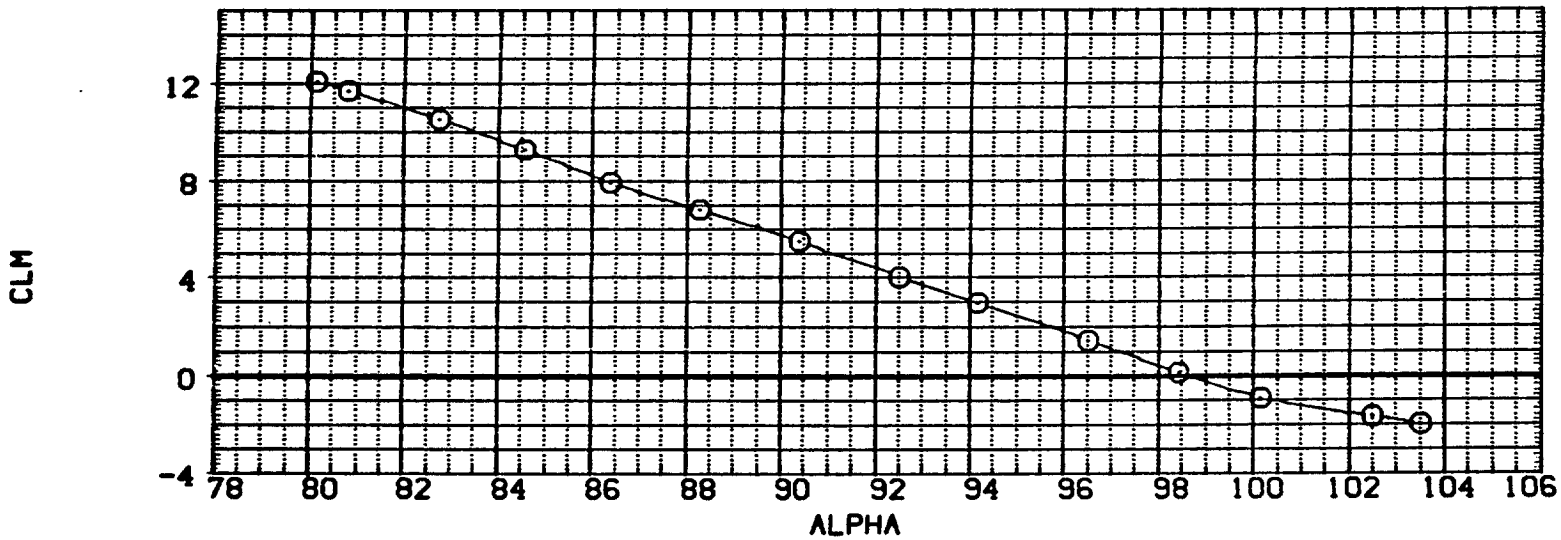
EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNG
[illegible]	□	LARC [illegible] SA-2FA SRB (NOSE UP)	.000	.000	.000	1.000
[illegible]	⊠	DATA NOT AVAILABLE	45.000	1.100	1.100	1.000
[illegible]	⋈	DATA NOT AVAILABLE	90.000	1.100	1.100	1.000
[illegible]	△	DATA NOT AVAILABLE	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ. IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.6340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





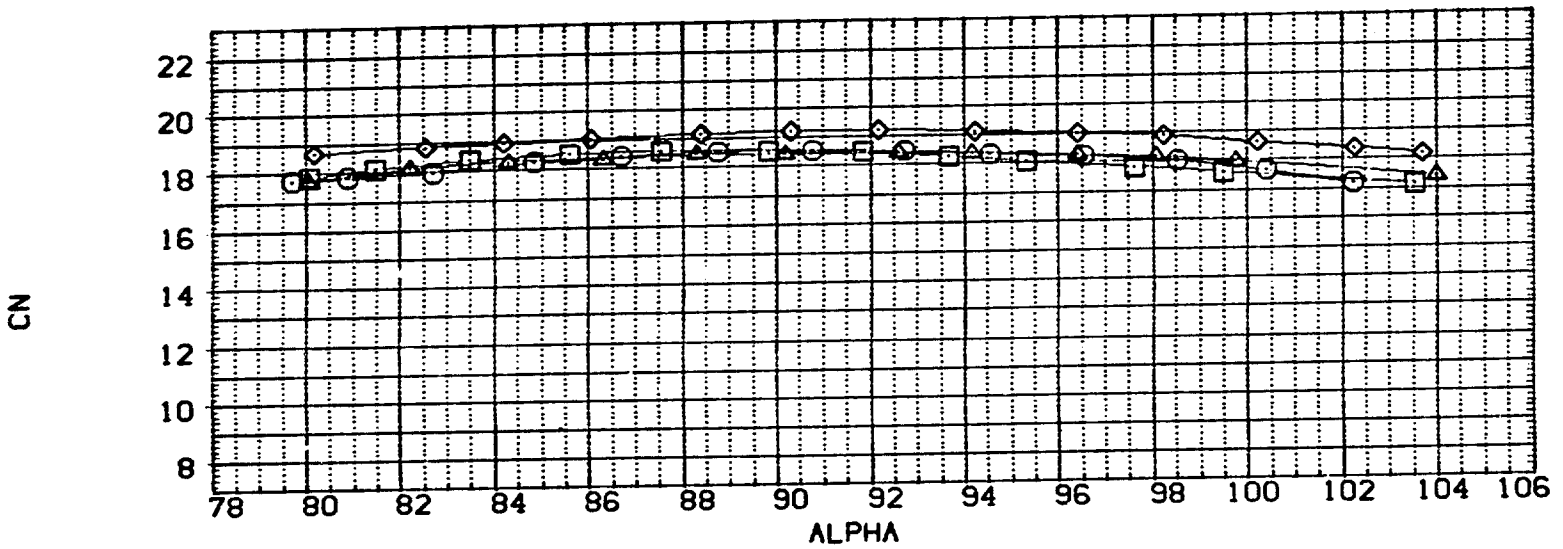
EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

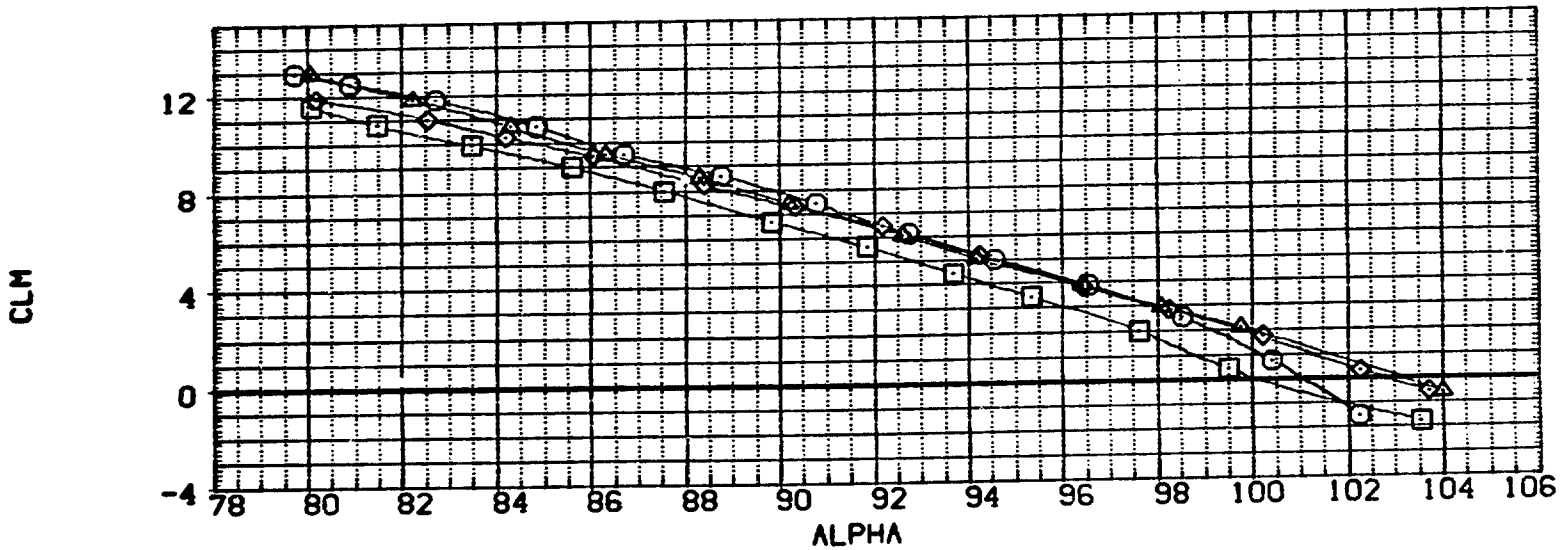
(C)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNC
(BPSA30)	LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
(BPS01S)	LARC 8TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
(BPSA21)	LARC 8TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
(BPSC2S)	LARC 8TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

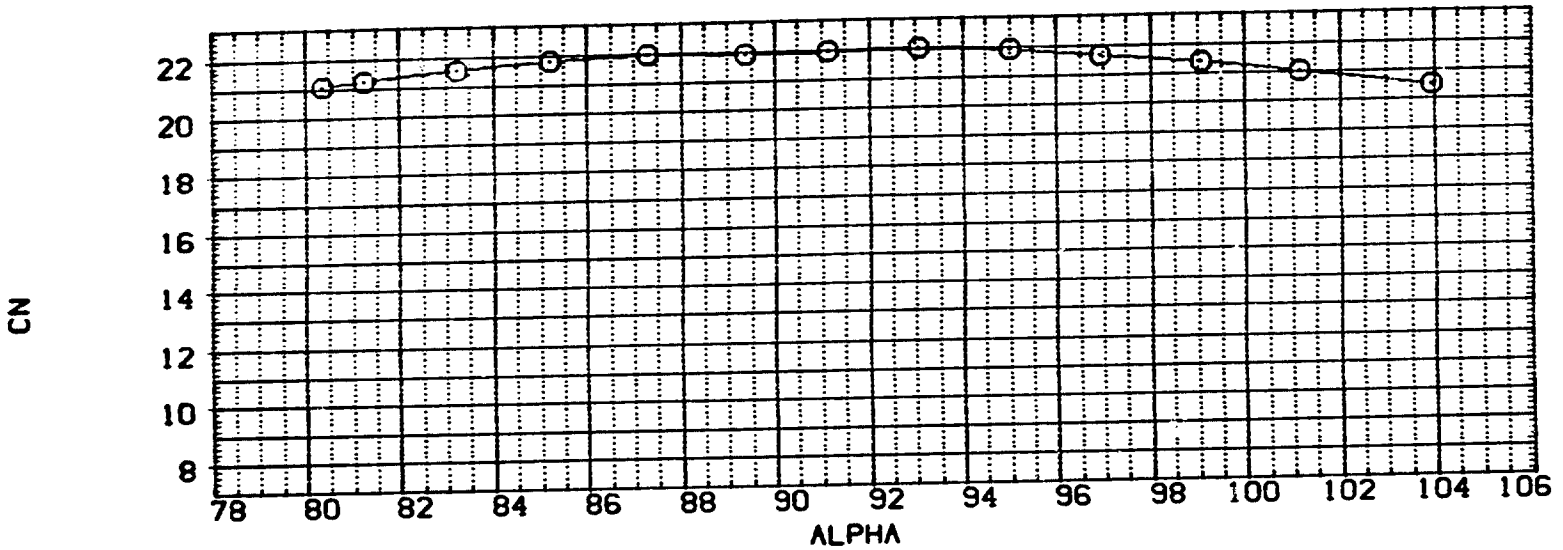
(D)MACH = .90

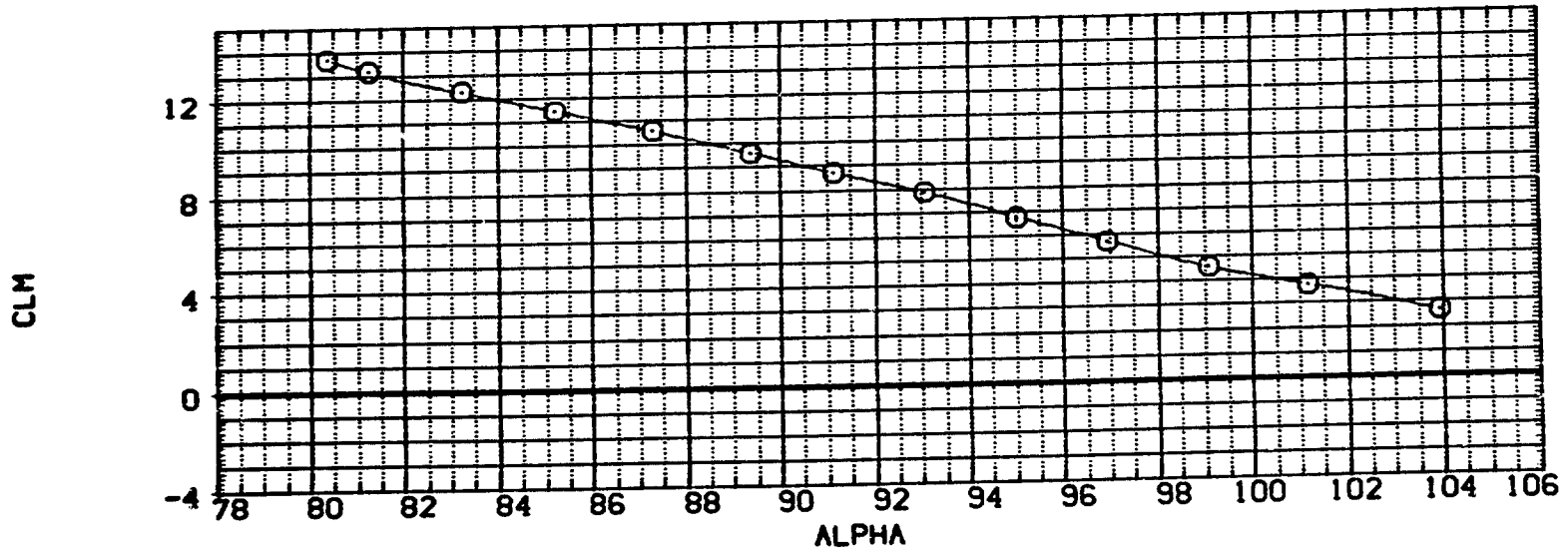
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
BPSA30	○	LARC BTPT-[illegible] SA-2FA SRB (NOSE UP)
BP[illegible]019	□	DATA NOT AVAILABLE
BPSA2[illegible]	◇	DATA NOT AVAILABLE
BPSO25	△	DATA NOT AVAILABLE

PHI	FWDSTK	AFTSTK	ATTRNC
.000	.000	.000	1.000
45.000	1.100	1.100	1.000
90.000	1.100	1.100	1.000
135.000	1.100	1.100	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



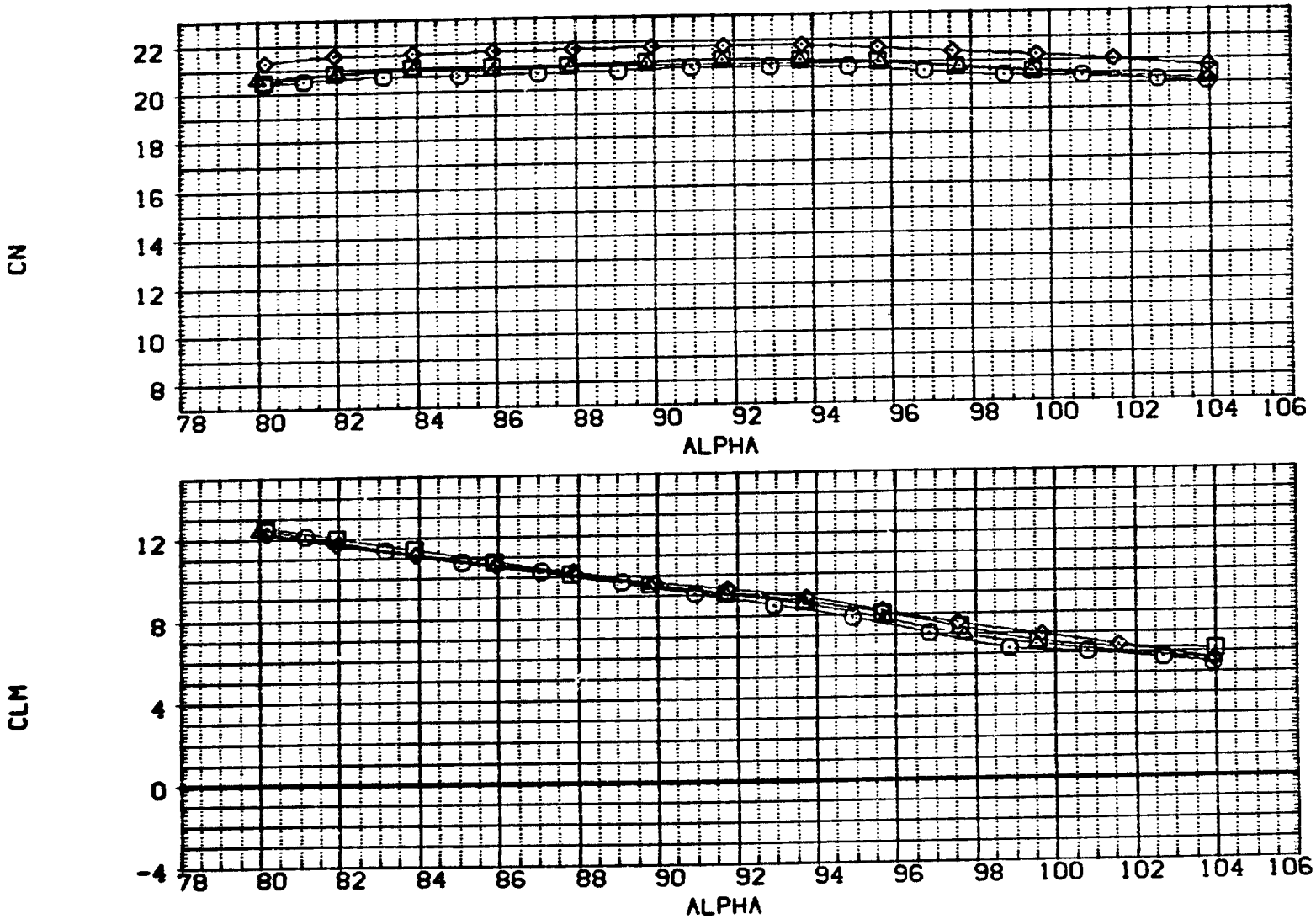


EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(E)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNG
(6PSA30)	◇	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
(6PS019)	□	LARC 8TPT-655(SA-2FA) SRB W/80. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
(6PSA21)	⊠	LARC 8TPT-655(SA-2FA) SRB W/80. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
(6P[illegible])	⊠	LARC 8TPT-655(SA-2FA) SRB W/80. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

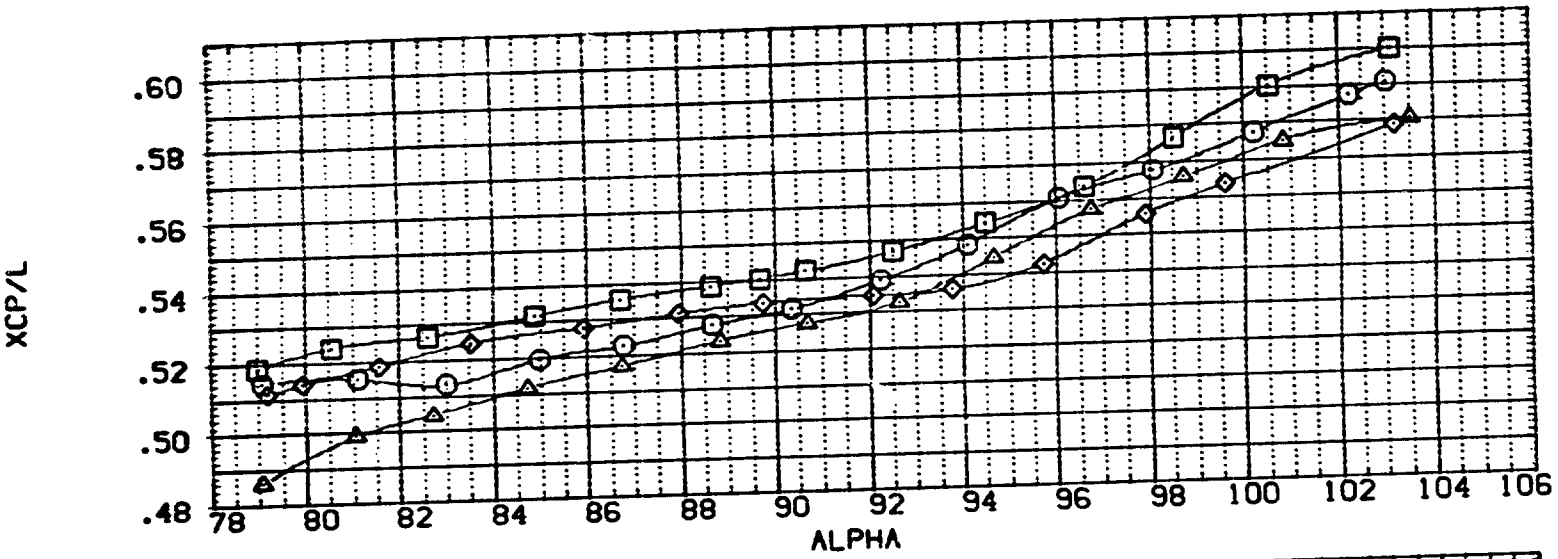


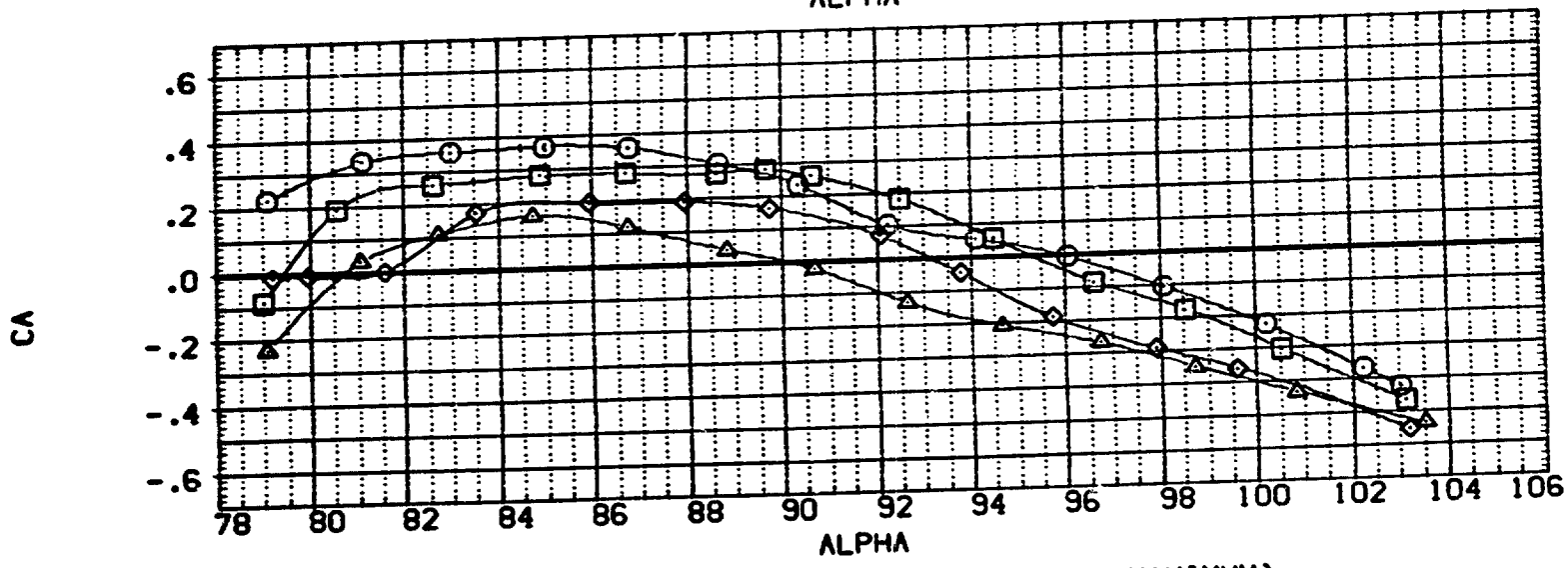
EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNC
[illegible]	[illegible]	LARC [illegible] SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
[illegible]	□	LARC [illegible] -2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
[illegible]	◇	LARC [illegible] -2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
[illegible]	△	LARC [illegible] SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



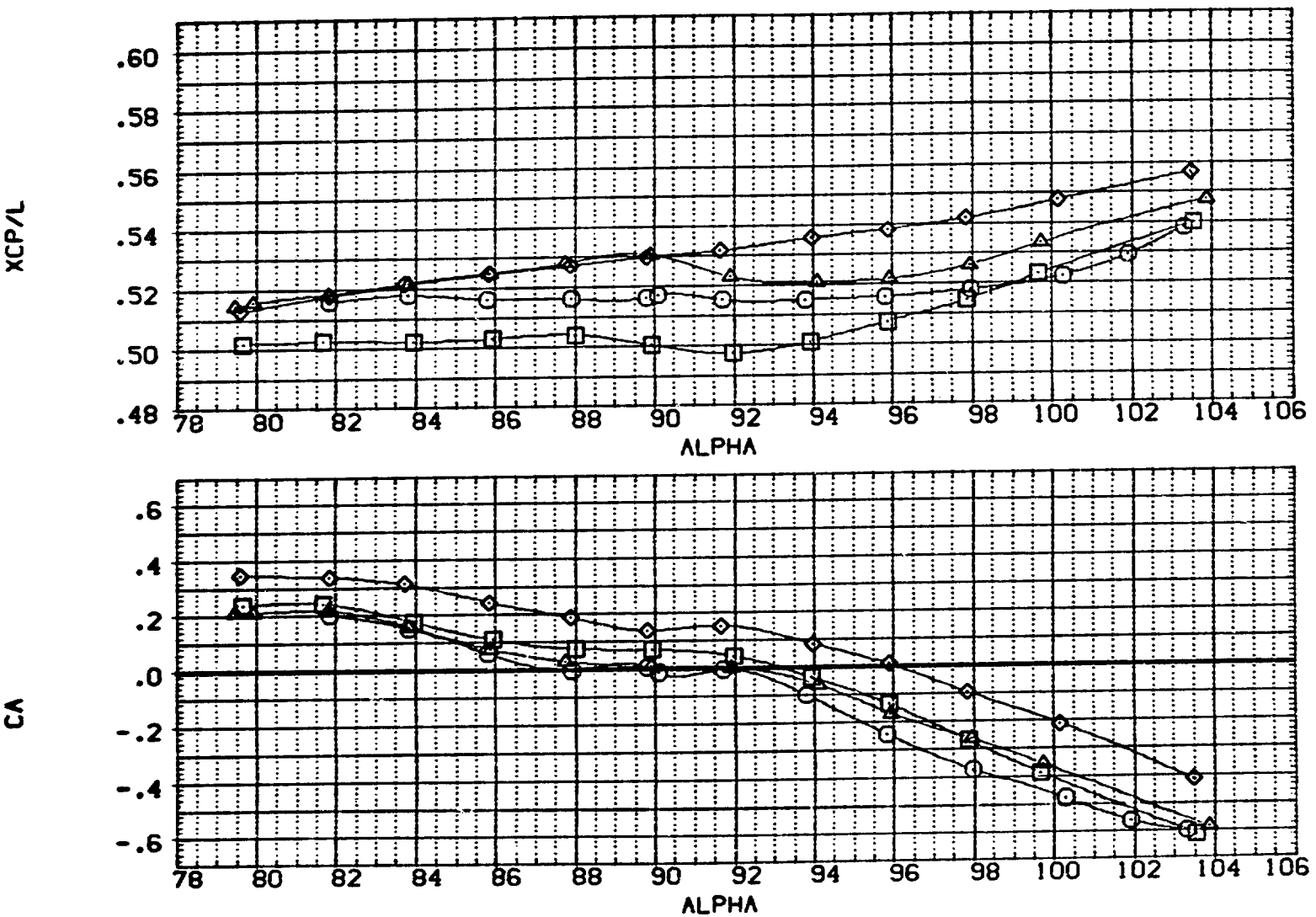


EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNG
BPSA30	□	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
BPSD19	⊠	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
BPSA21	◇	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
BPSC25	△	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

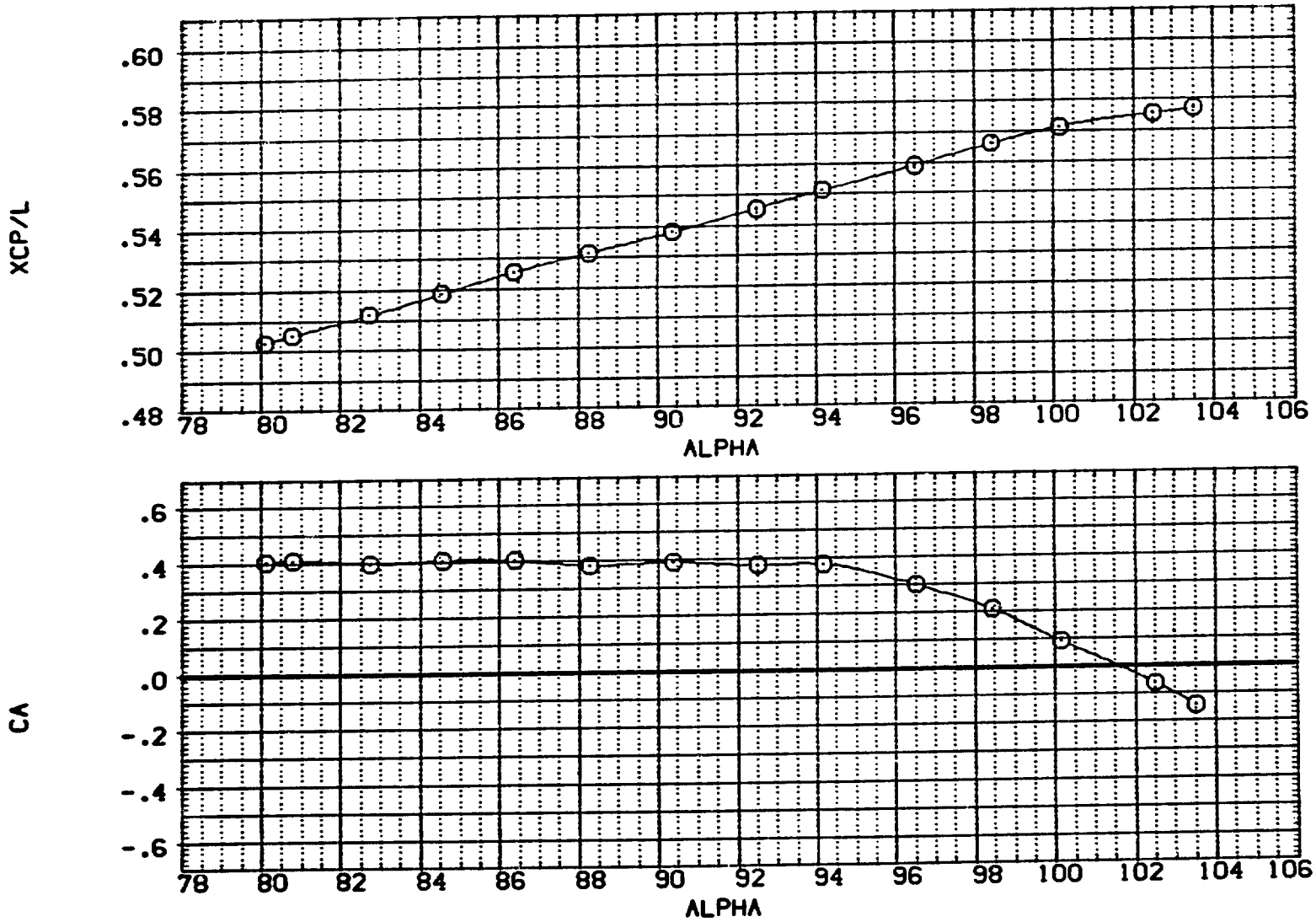
(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BPSA30)	—	LARC BT[illegible] SA-2FA) SRB (NOSE UP)
(BPS[illegible])	□	DATA NOT [illegible]ABLE
(BPSA21)	⊗	DATA NOT [illegible]ABLE
(BPS[illegible]25)	△	DATA NOT AVAILABLE

PHI	FWDSTK	AFTSTK	ATTRNC
.000	.000	.000	1.000
45.000	1.100	1.100	1.000
90.000	1.100	1.100	1.000
135.000	1.100	1.100	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

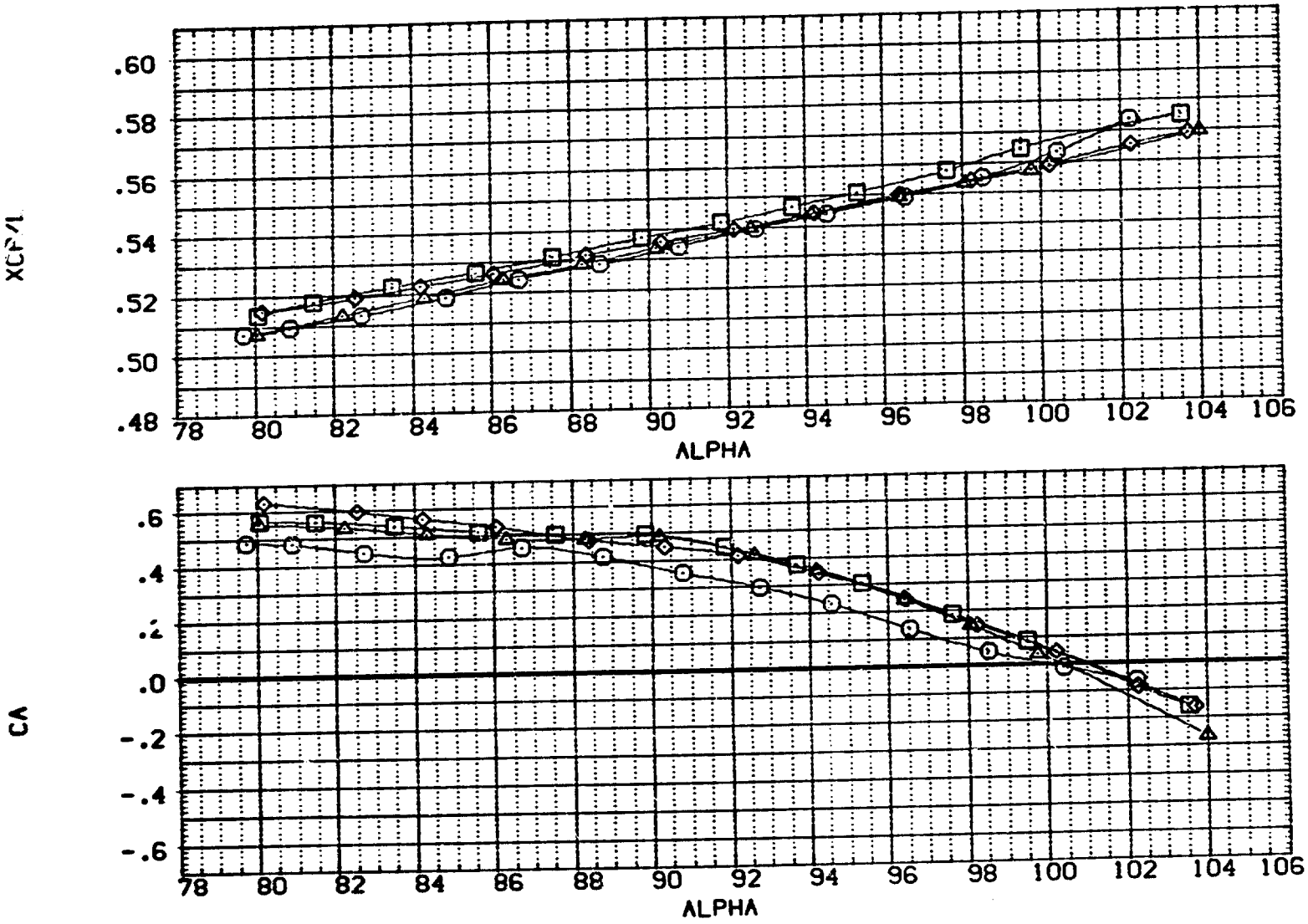


EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(C)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNC
(BPSA30)	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
(BPSQ19)	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
(BPSA21)	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
BPSQ25	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

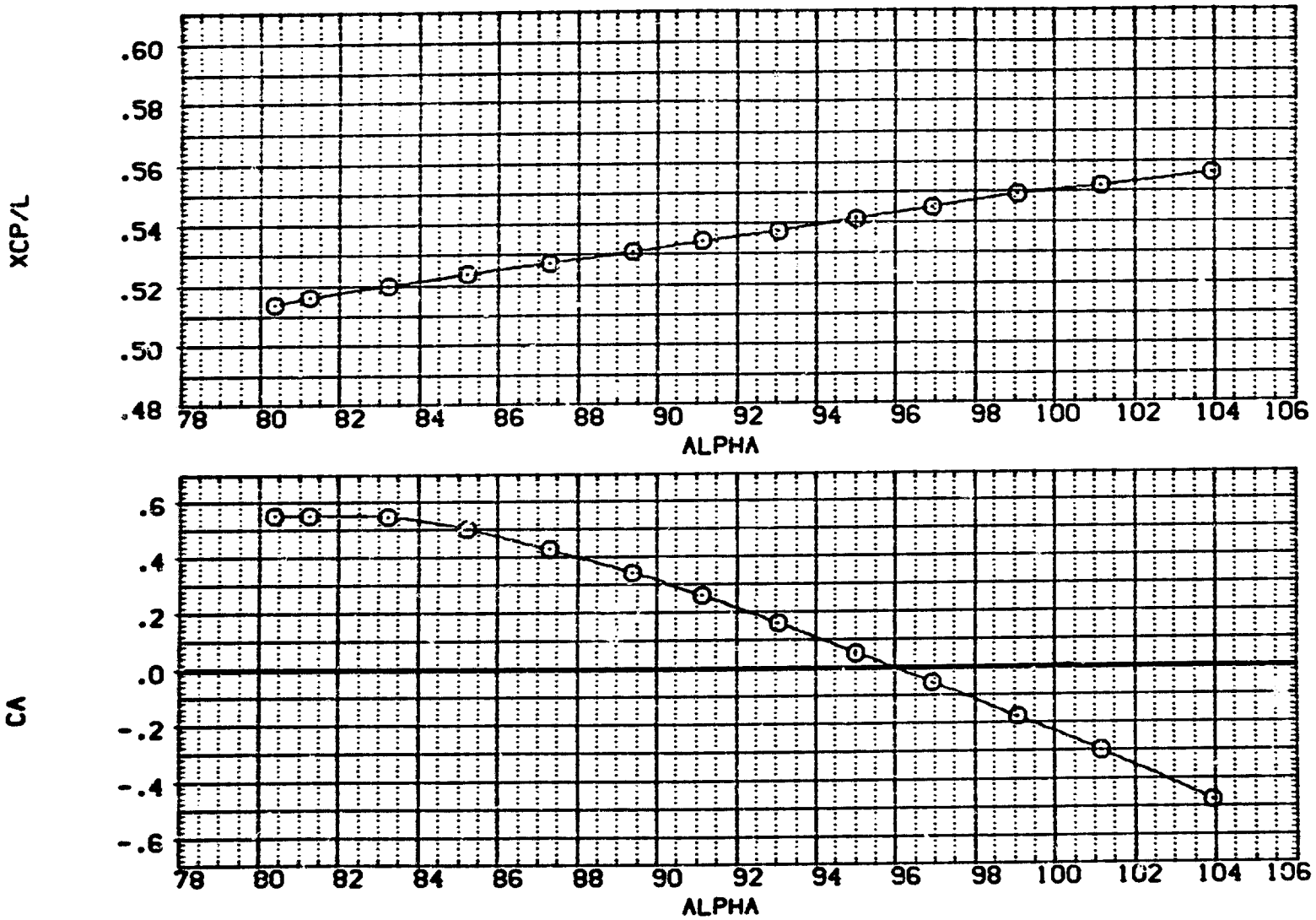
(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BPSA30)	○	LARC RTPT-[illegible] SA-2FA) SRB (NOSE UP)
(BPS019)	□	DATA NOT AVAILABLE
(BPSA21)	◇	DATA NOT AVAILABLE
(BPS025)	△	DATA NOT AVAILABLE

PHI	FWDSTK	AFTSTK	ATTRNC
.000	.000	.000	1.000
45.000	1.100	1.100	1.000
90.000	1.100	1.100	1.000
135.000	1.100	1.100	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

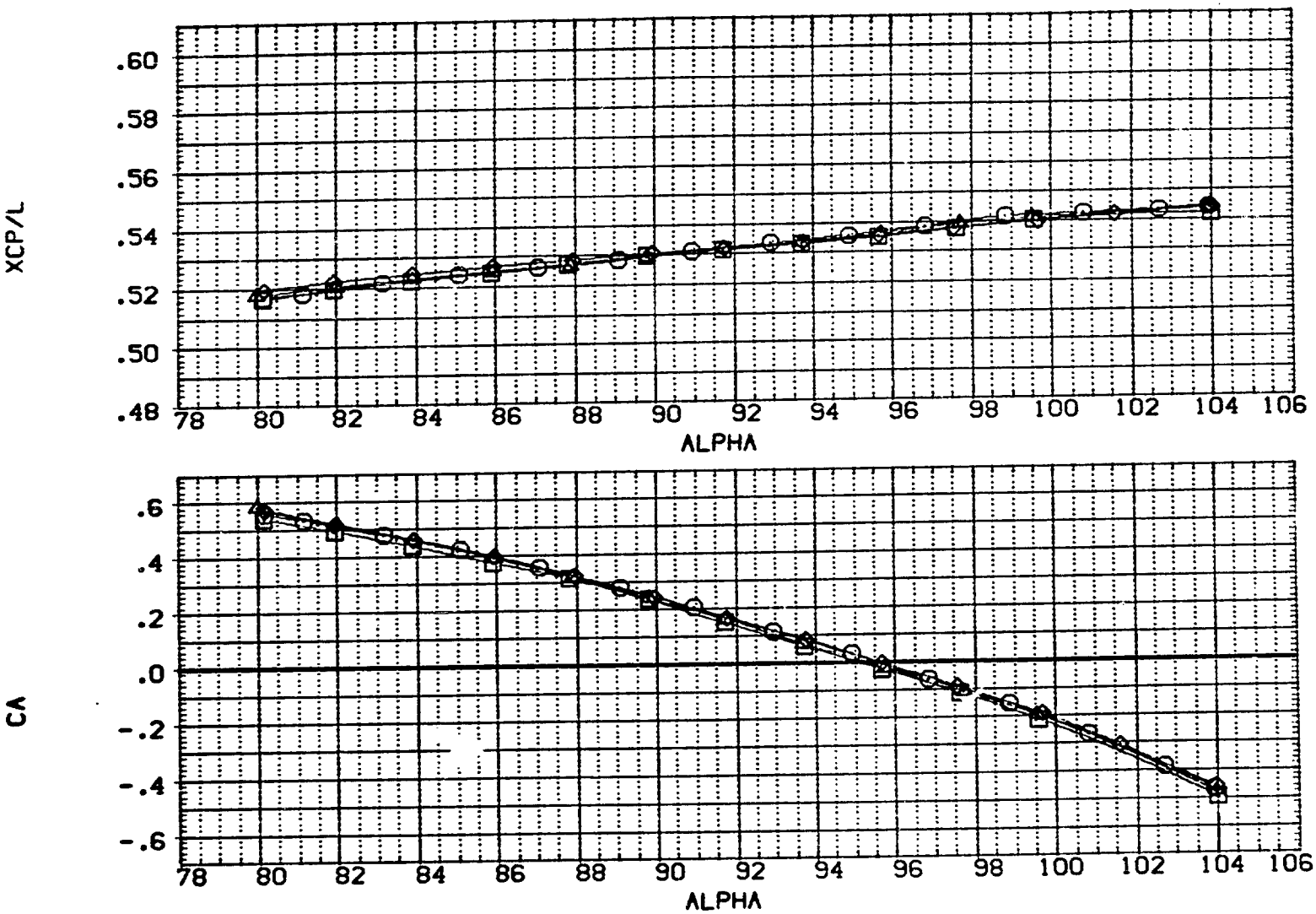


EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(E)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNC
(BPSA3C)	□	LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
(BPSD19)	⊠	LARC 8TPT-65S(SA-2FA) SRB W/80. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
(BPSA21)	◇	LARC 8TPT-65S(SA-2FA) SRB W/80. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
(BPSC2E)	△	LARC 8TPT-65S(SA-2FA) SRB W/80. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

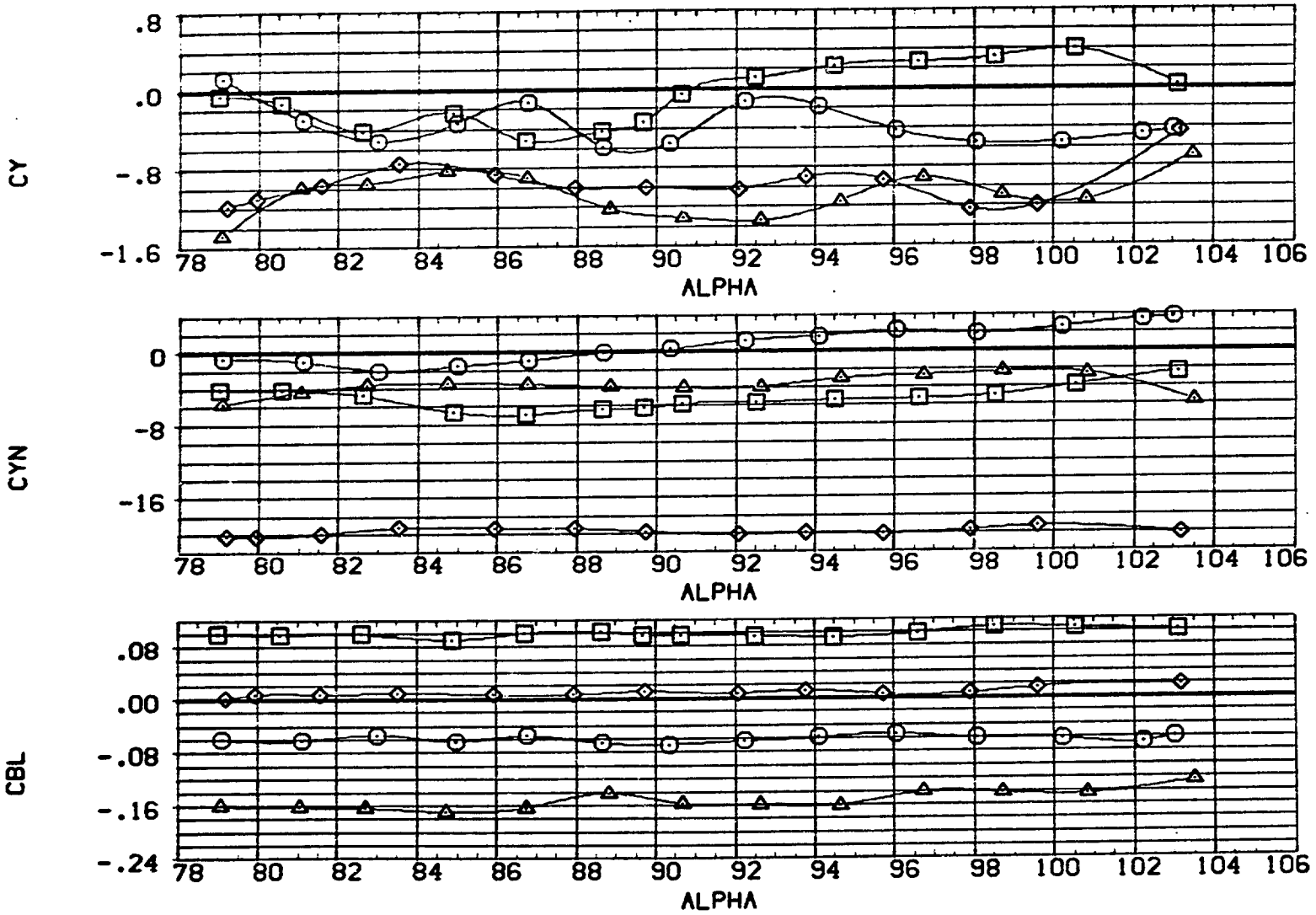


EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNC
E# ARC1		LARC [illegible] SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
[illegible]	□	LARC [illegible] SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
[illegible]	◇	LARC [illegible] SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
[illegible]	△	LARC [illegible] SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

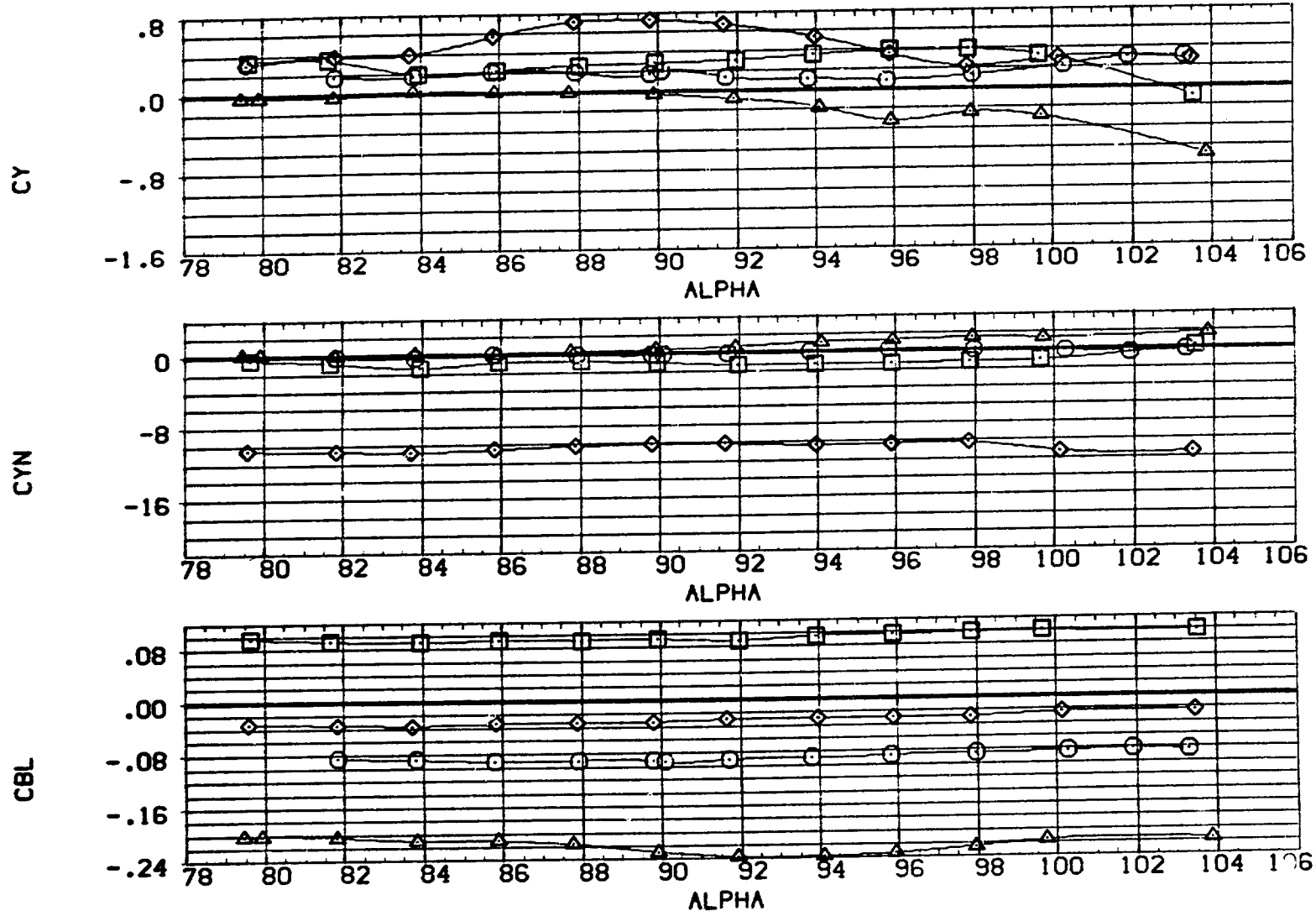


EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNC
(BPCA30)	□	LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
(BPC019)	□	LARC 8TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
(BPCA21)	◇	LARC 8TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
(BPSU2?)	△	LARC 8TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

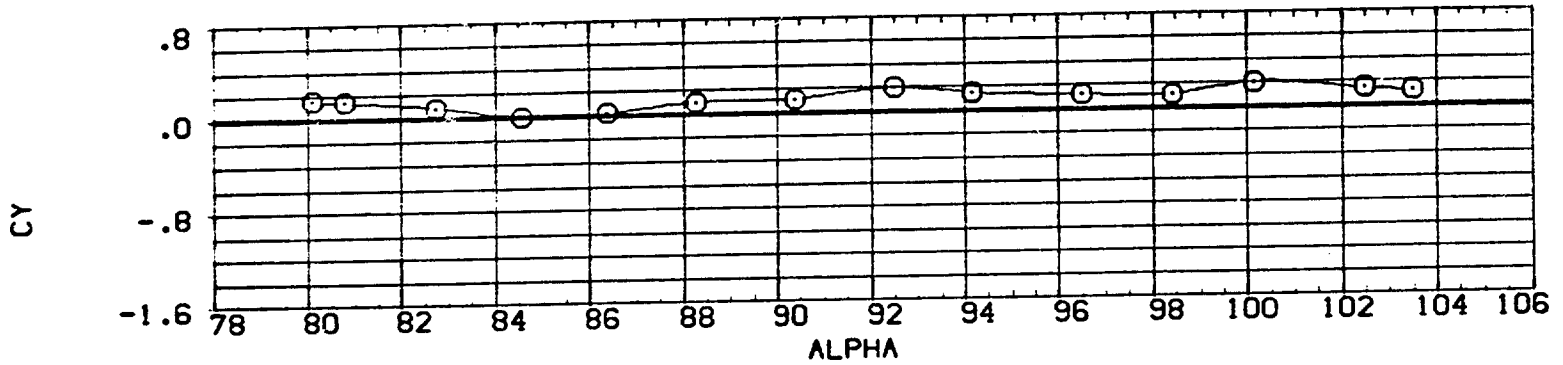
(B)MACH = .60

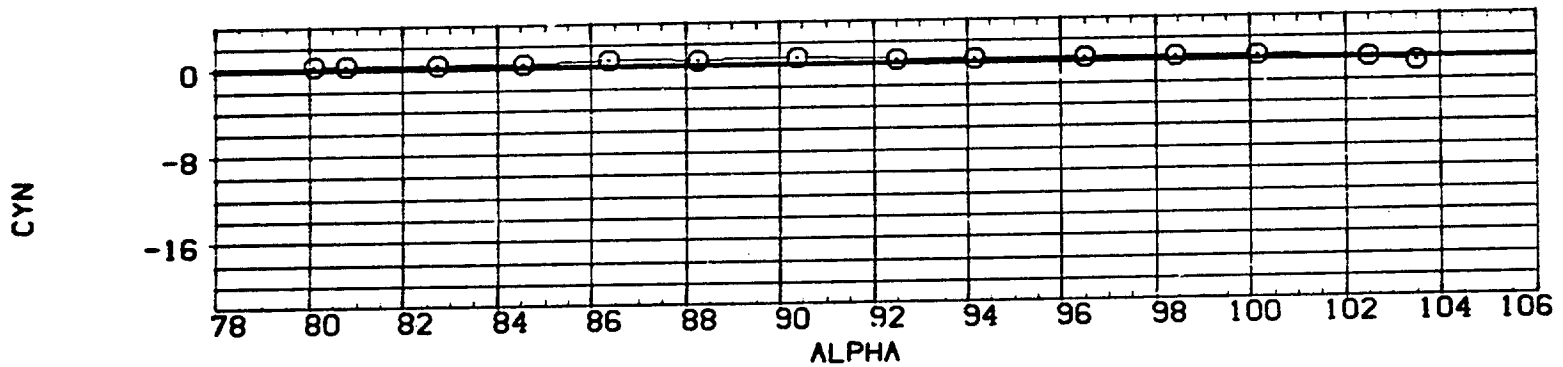
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
BPSA30		LARC B7[illegible](SA-2FA) SRB (NOSE UP)
BPSO19		DATA NOT AVAILABLE
BPLA21		DATA NOT AVAILABLE
BPSO2[illegible]		DATA NOT AVAILABLE

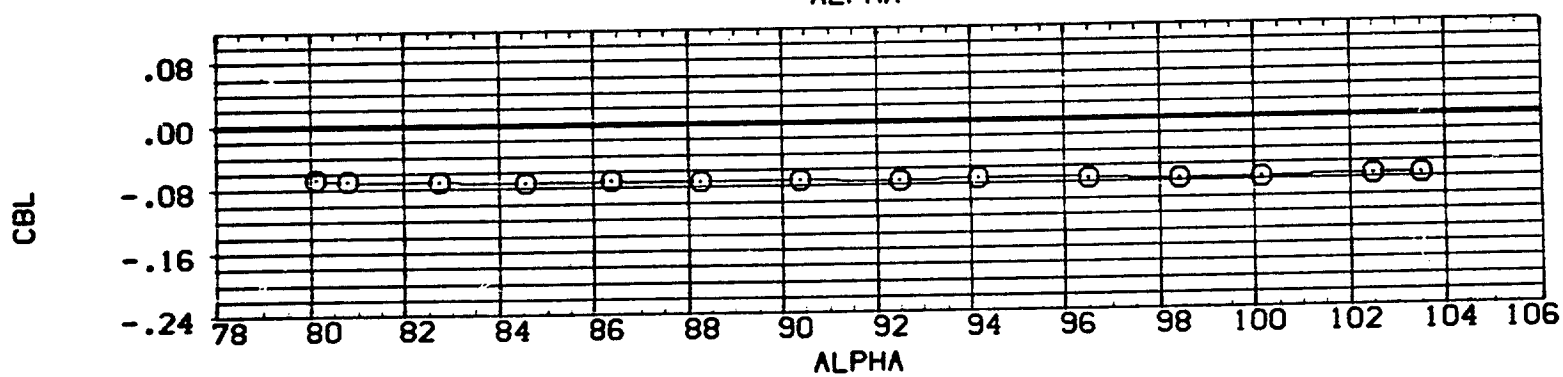
PHI	FWDSTK	AFTSTK	ATTRNG
.000	.000	.000	1.000
45.000	1.100	1.100	1.000
90.000	1.100	1.100	1.000
135.000	1.100	1.100	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





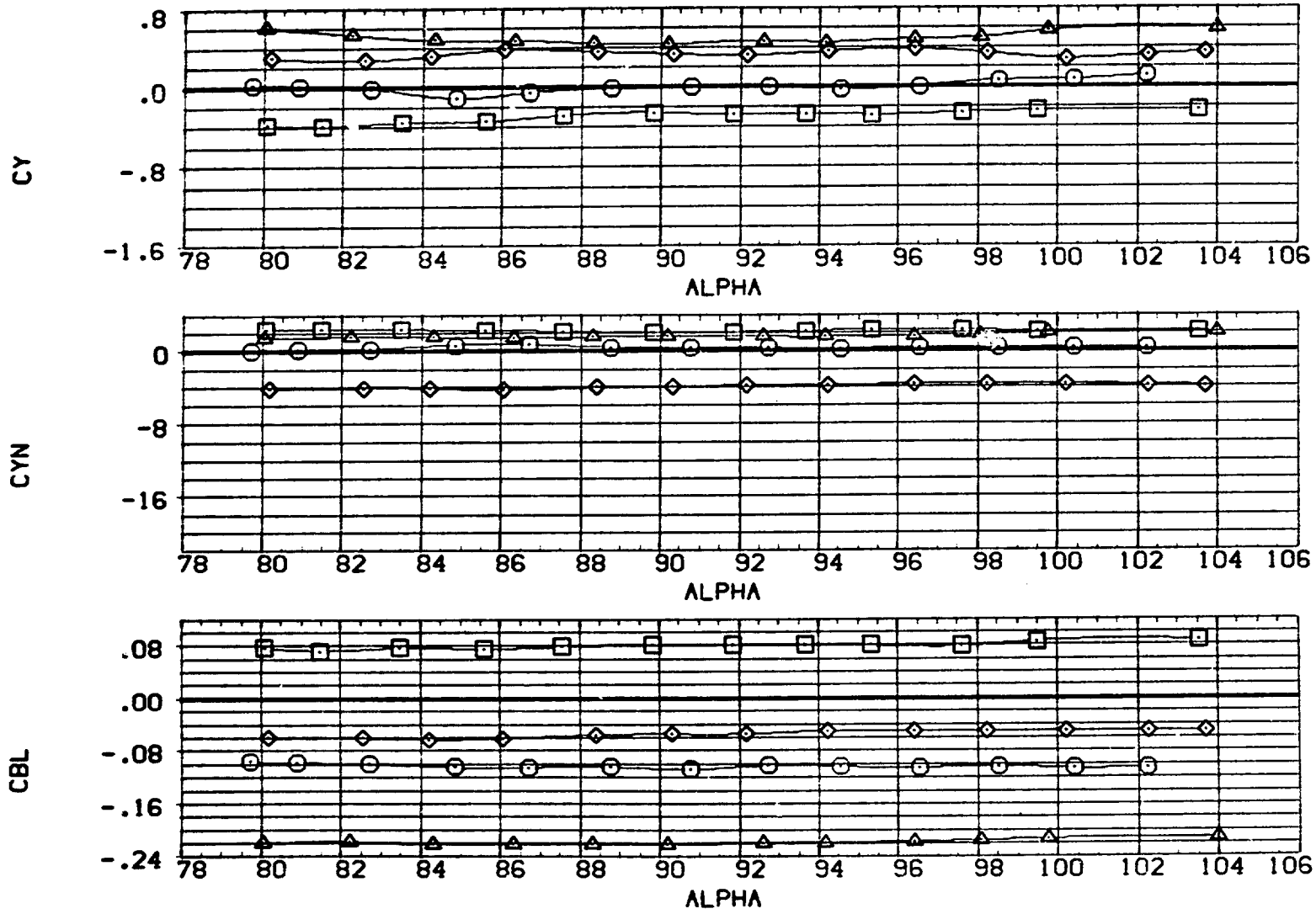


EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNC
BPSA30	○	LARC 6TPT-655(SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
BPSA19	□	LARC 6TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
BPSA21	⊠	LARC 6TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
BPSA25	△	LARC 6TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



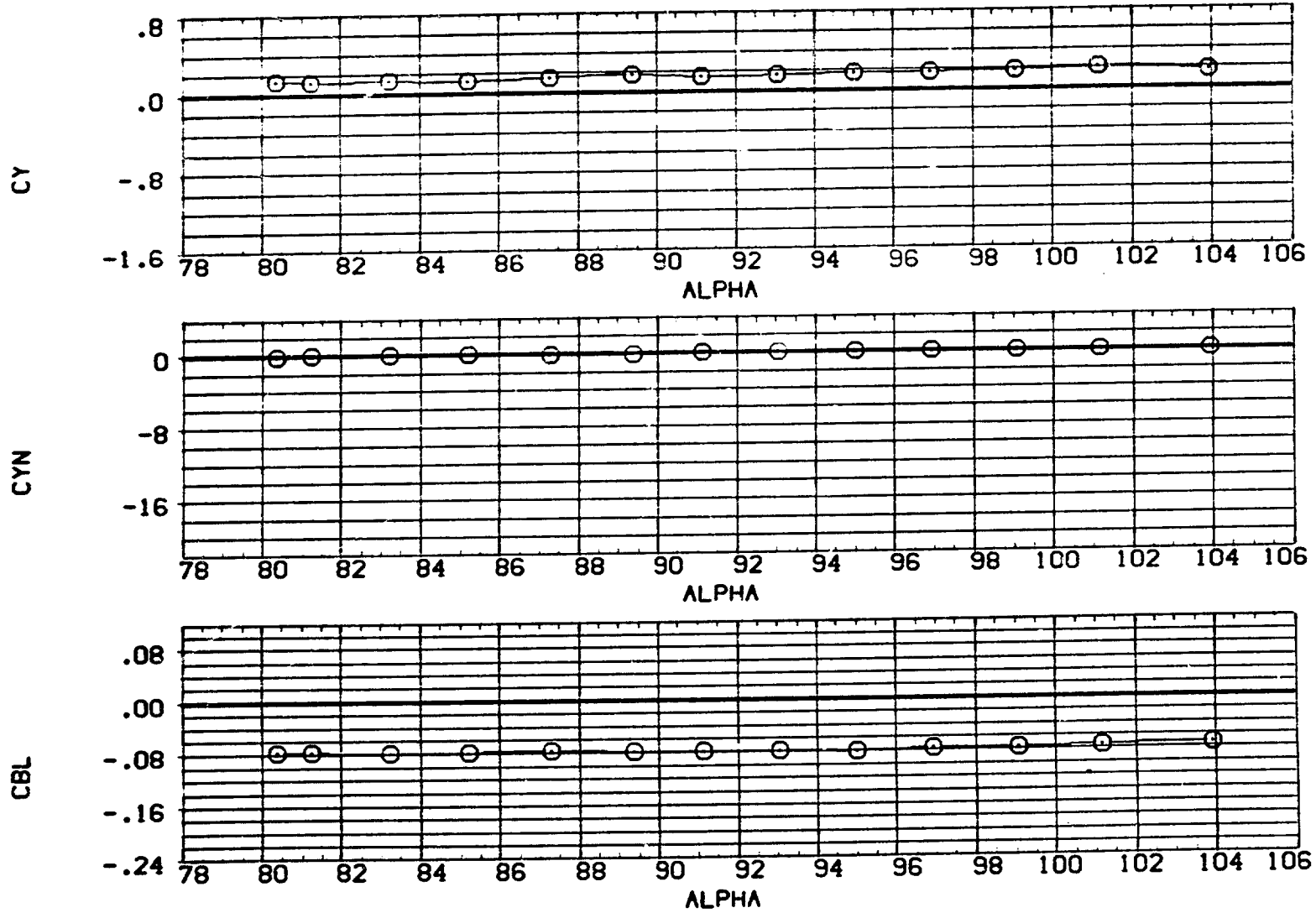
EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(D)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BPSA30)	LARC B[illegible]-65(SA-2FA) SRB (NOSE UP)
(BPS019)	DATA NOT AVAILABLE
(BPSA21)	DATA NOT AVAILABLE
(BP[illegible]025)	DATA NOT AVAILABLE

PHI	FWDSTK	AFTSTK	ATTRNC
.000	.000	.000	1.000
45.000	1.100	1.100	1.000
90.000	1.100	1.100	1.000
135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

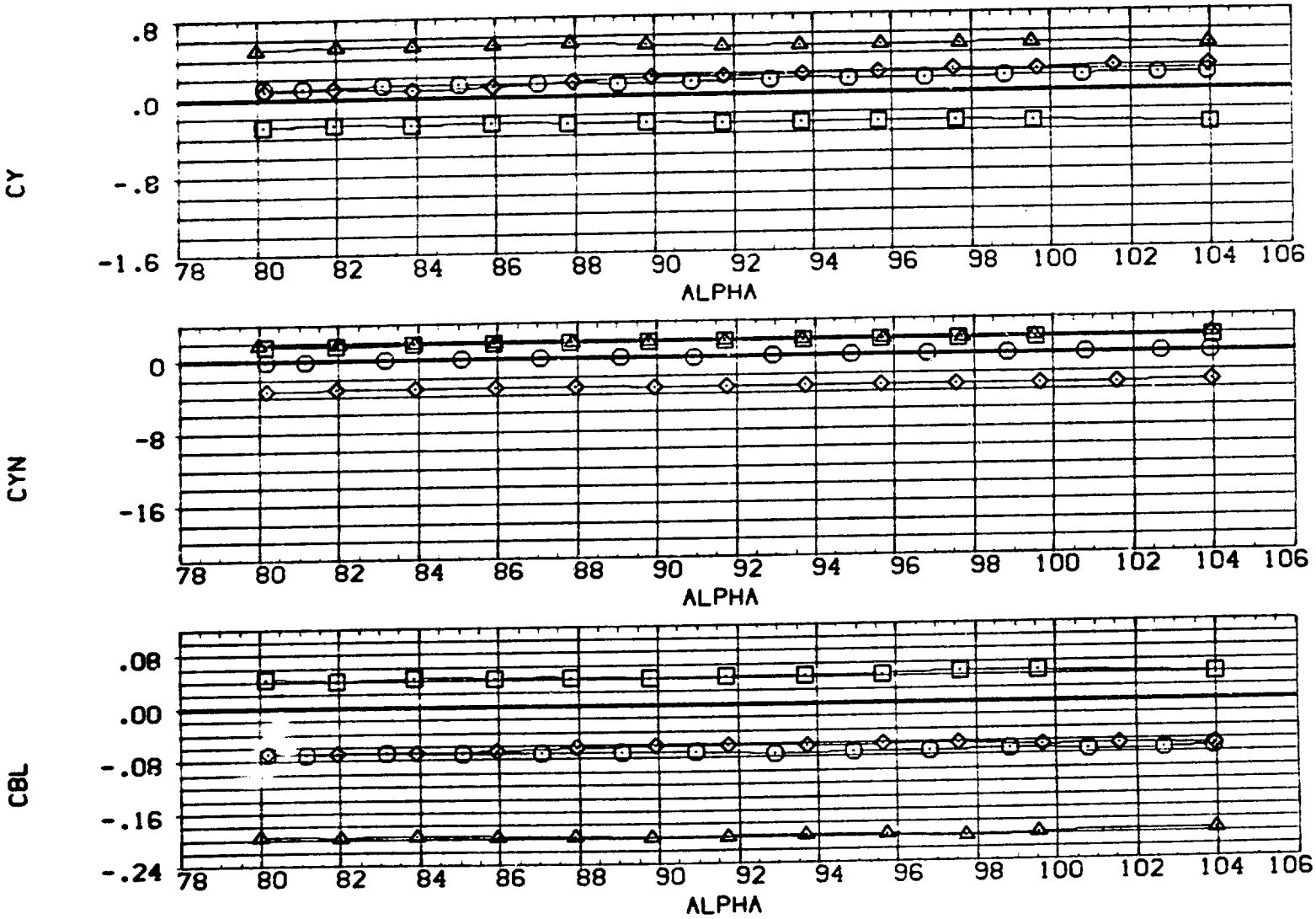


EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(E)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	FWDSTK	AFTSTK	ATTRNG
[illegible]		LARC 8TPT-6SS(SA-2FA) SRB (NOSE UP)	.000	.000	.000	1.000
[illegible]	□	LARC 8TPT-6SS(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.100	1.100	1.000
[illegible]	◇	LARC 8TPT-6SS(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.100	1.100	1.000
[illegible]	△	LARC 8TPT-6SS(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.100	1.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



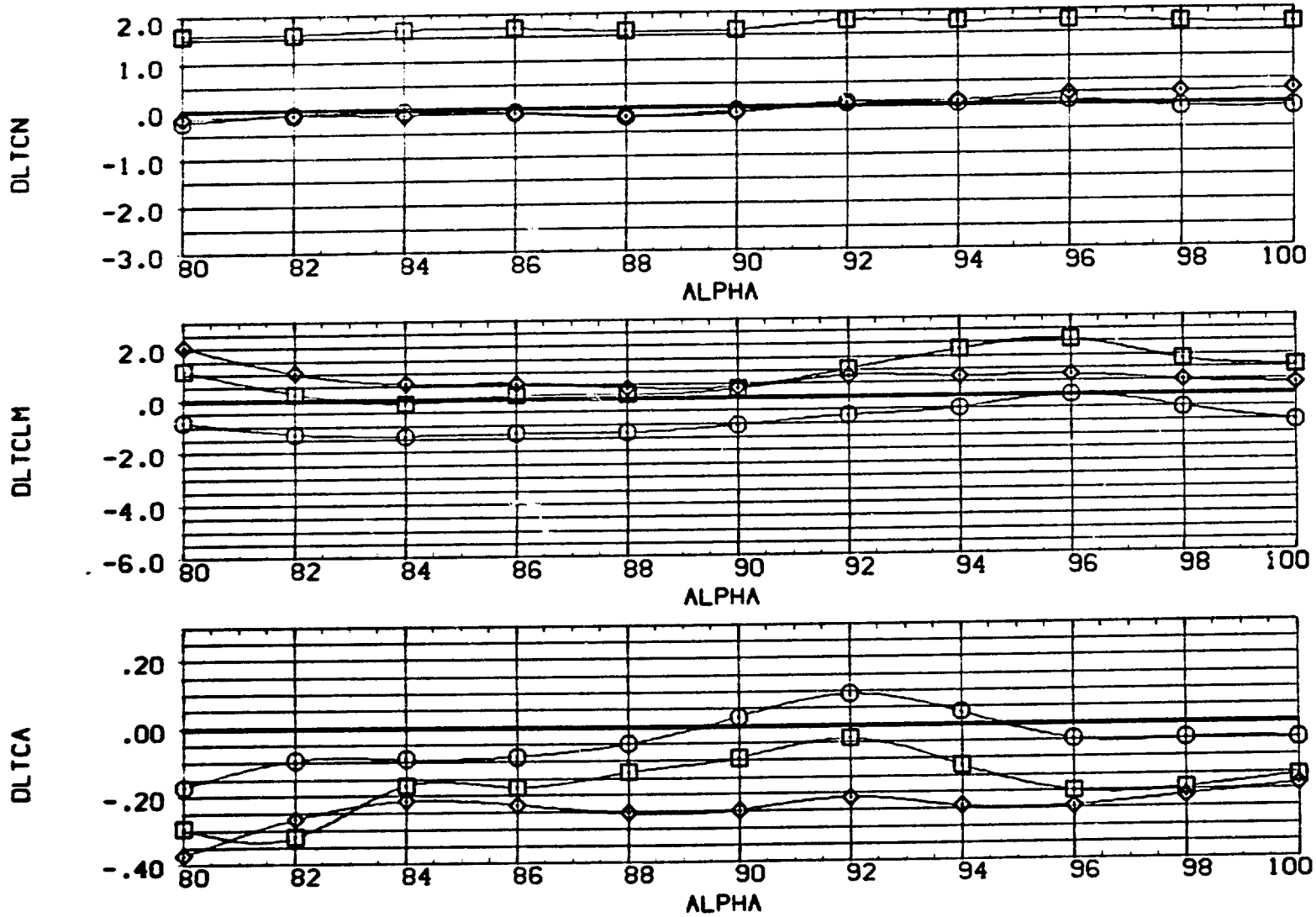
EFFECT OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L = MAXIMUM)

(F)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNC	ELETUN
[illegible]	LARC [illegible] A-2FA SRB W/BD. STRAKES(NOSE UP)	45.000	1.000	.000
[illegible]	LARC BTPT-[illegible] A-2FA SRB W/BD. STRAKES(NOSE UP)	90.000	1.000	.000
[illegible]	LARC BTPT-[illegible] A-2FA SRB W/BD. STRAKES(NOSE UP)	135.000	1.000	.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



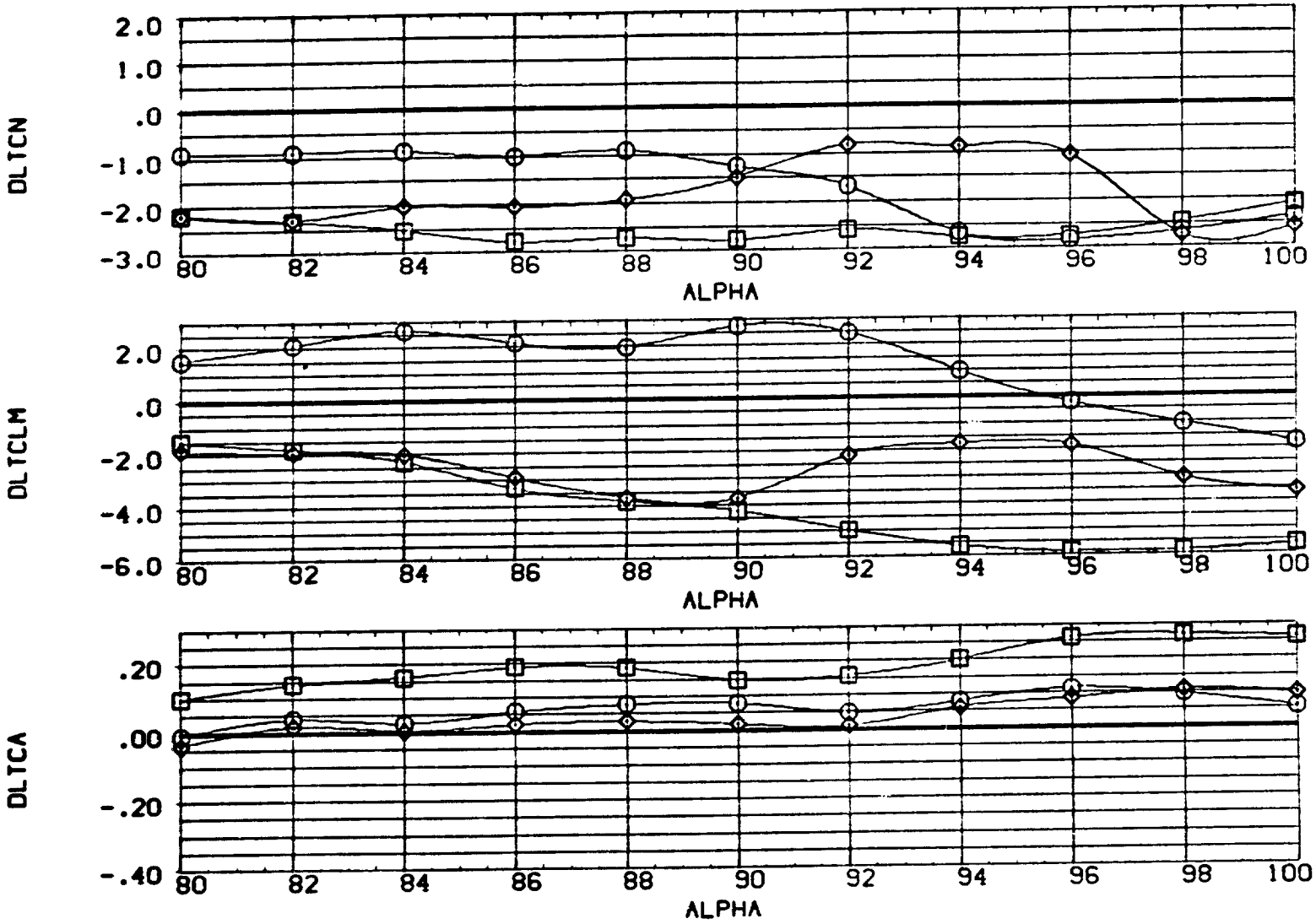
INCREMENTAL EFFECTS OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L=MAXIMUM)

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNC	ELETUN
[illegible]	○	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.000	.000
[illegible]	□	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.000	.000
[illegible]	◇	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.000	.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



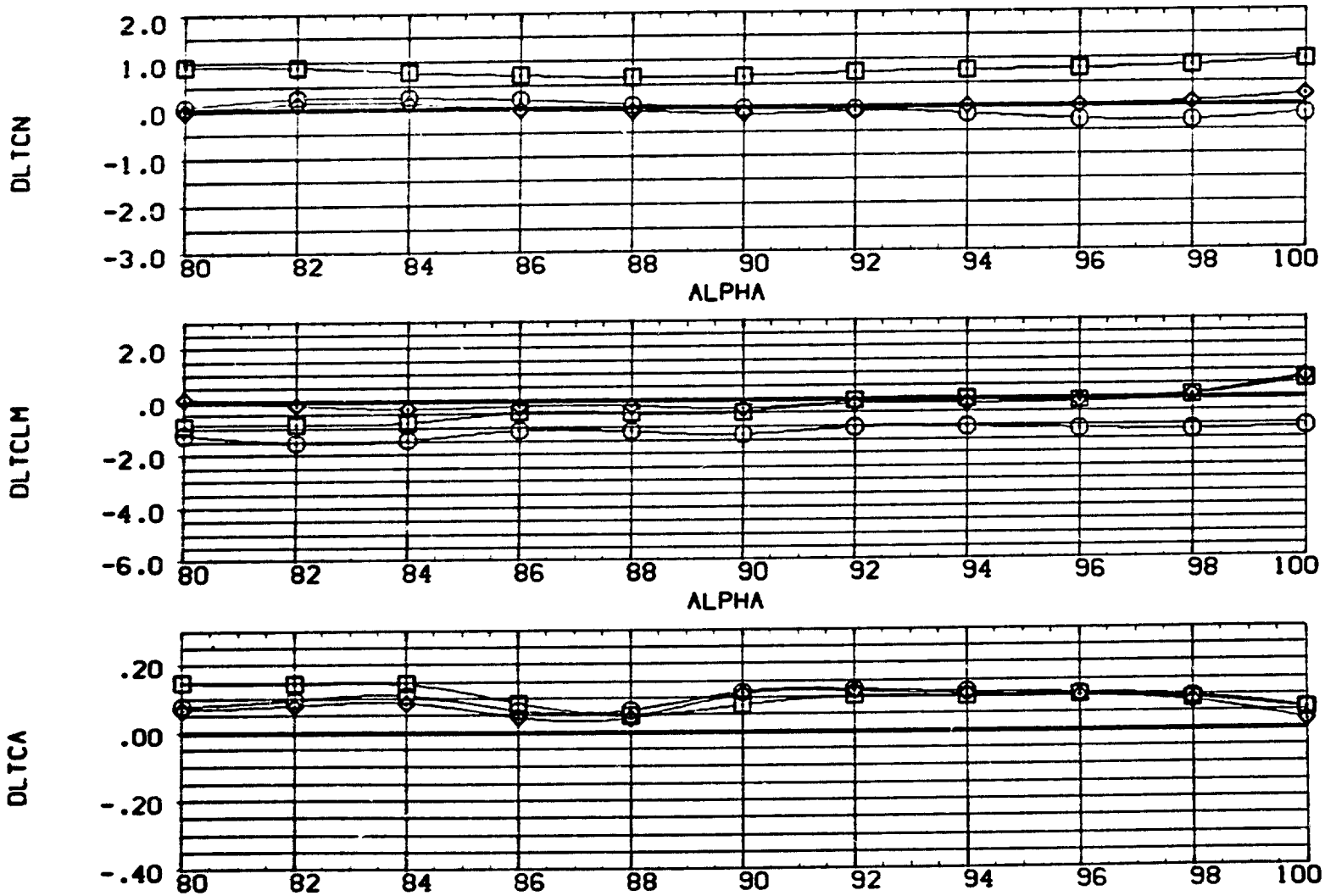
INCREMENTAL EFFECTS OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L=MAXIMUM)

(B)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNG	ELETLN
[illegible]	LARC [illegible] SA-2FA SRB W/BD. STRAKES(NOSE UP)	45.000	1.000	.000
[illegible]	LARC [illegible] SA-2FA SRB W/BD. STRAKES(NOSE UP)	90.000	1.000	.000
[illegible]	LARC [illegible] SA-2FA SRB W/BD. STRAKES(NOSE UP)	135.000	1.000	.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



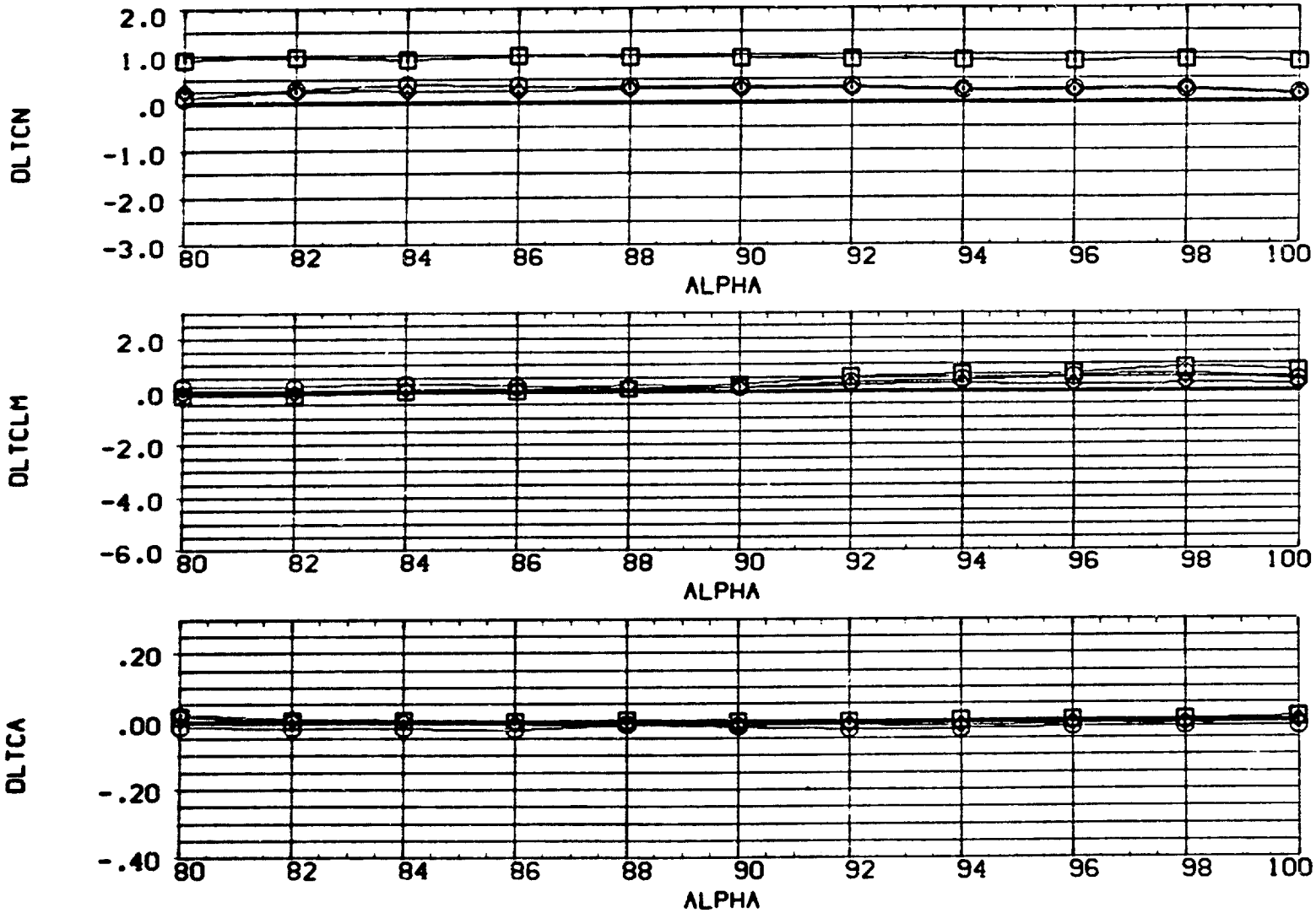
INCREMENTAL EFFECTS OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L=MAXIMUM)

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNG	ELETUN
[illegible]		LARC 8TPT-6EE(SA-2FA) SRB W/8D. STRAKES(NOSE UP)	45.000	1.000	.000
[illegible]		LARC 8TPT-6EE(SA-2FA) SRB W/8D. STRAKES(NOSE UP)	90.000	1.000	.000
[illegible]		LARC 8TPT-6EE(SA-2FA) SRB W/8D. STRAKES(NOSE UP)	135.000	1.000	.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



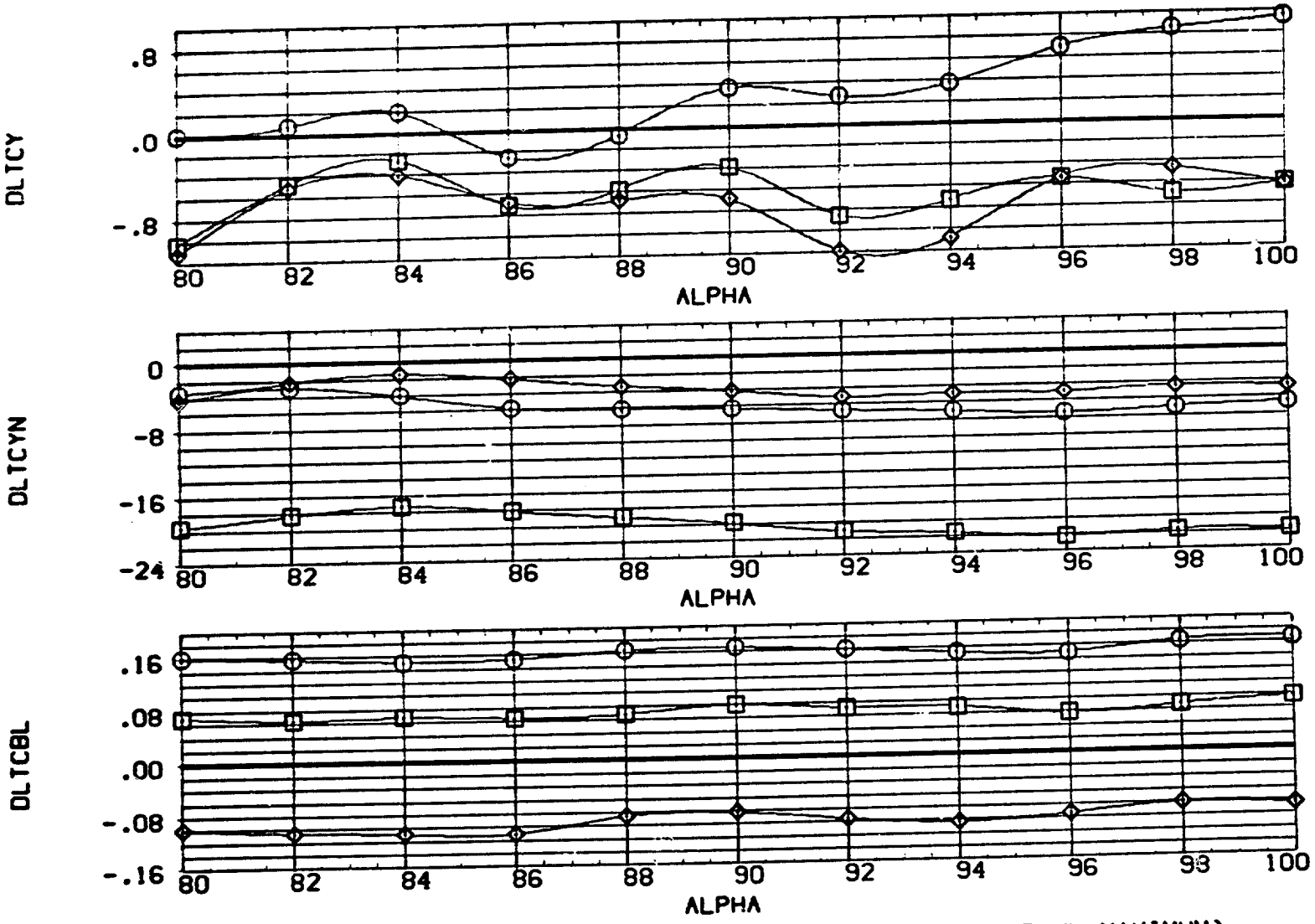
INCREMENTAL EFFECTS OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L=MAXIMUM)

(D)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNG	ELETUN
[illegible]	[illegible] SA-2FA SRB W/BC. STRAKES(NOSE UP)	45.000	1.000	.000
[illegible]	[illegible] SA-2FA SRB W/BC. STRAKES(NOSE UP)	90.000	1.000	.000
[illegible]	[illegible] SA-2FA SRB W/BC. STRAKES(NOSE UP)	135.000	1.000	.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



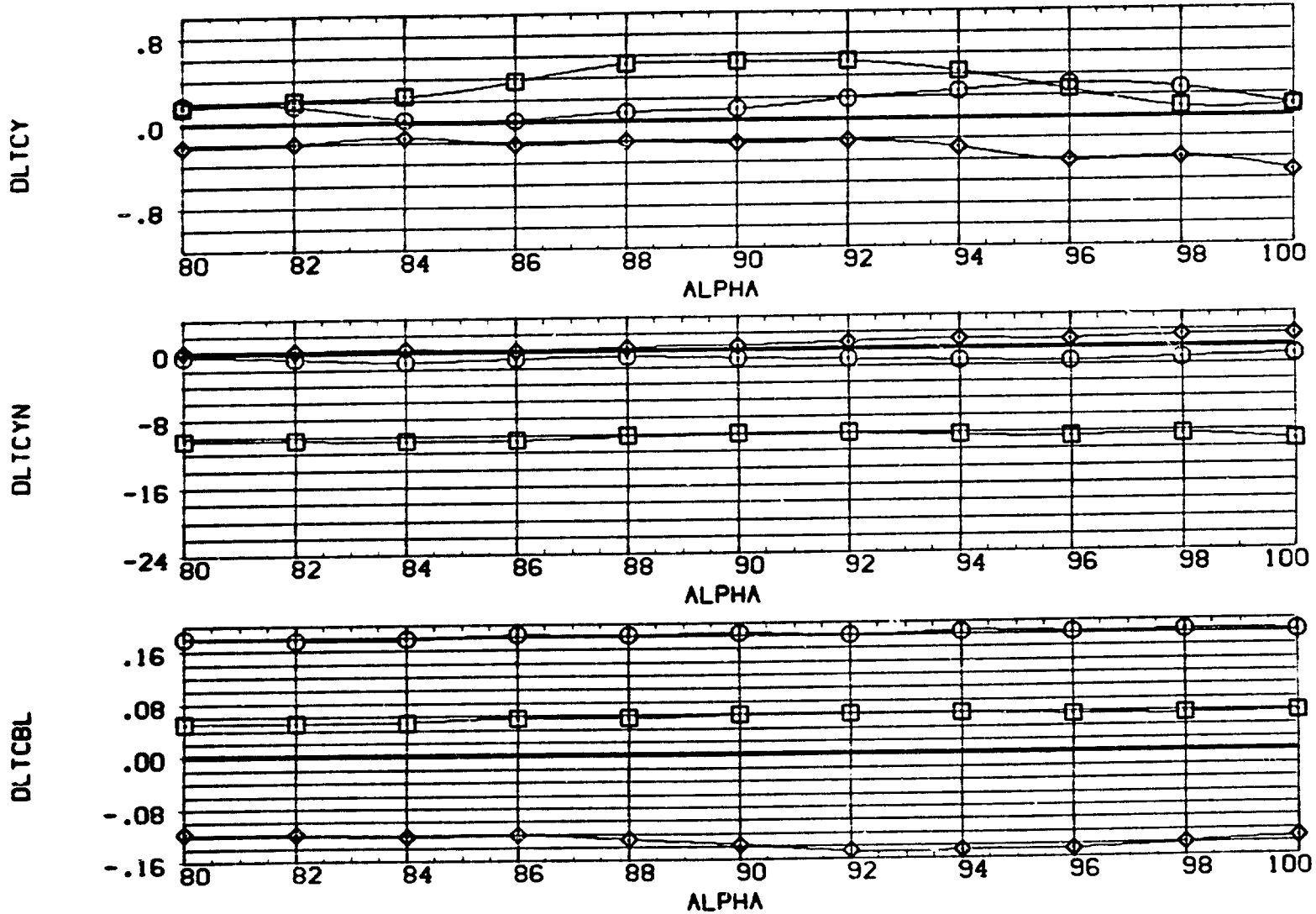
INCREMENTAL EFFECTS OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L=MAXIMUM)

(A)MACH = .40

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNC	ELETUN
(PSD19)	LARC 6TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.000	.000
(PSD21)	LARC 6TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.000	.000
(PSD23)	LARC 6TPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.000	.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



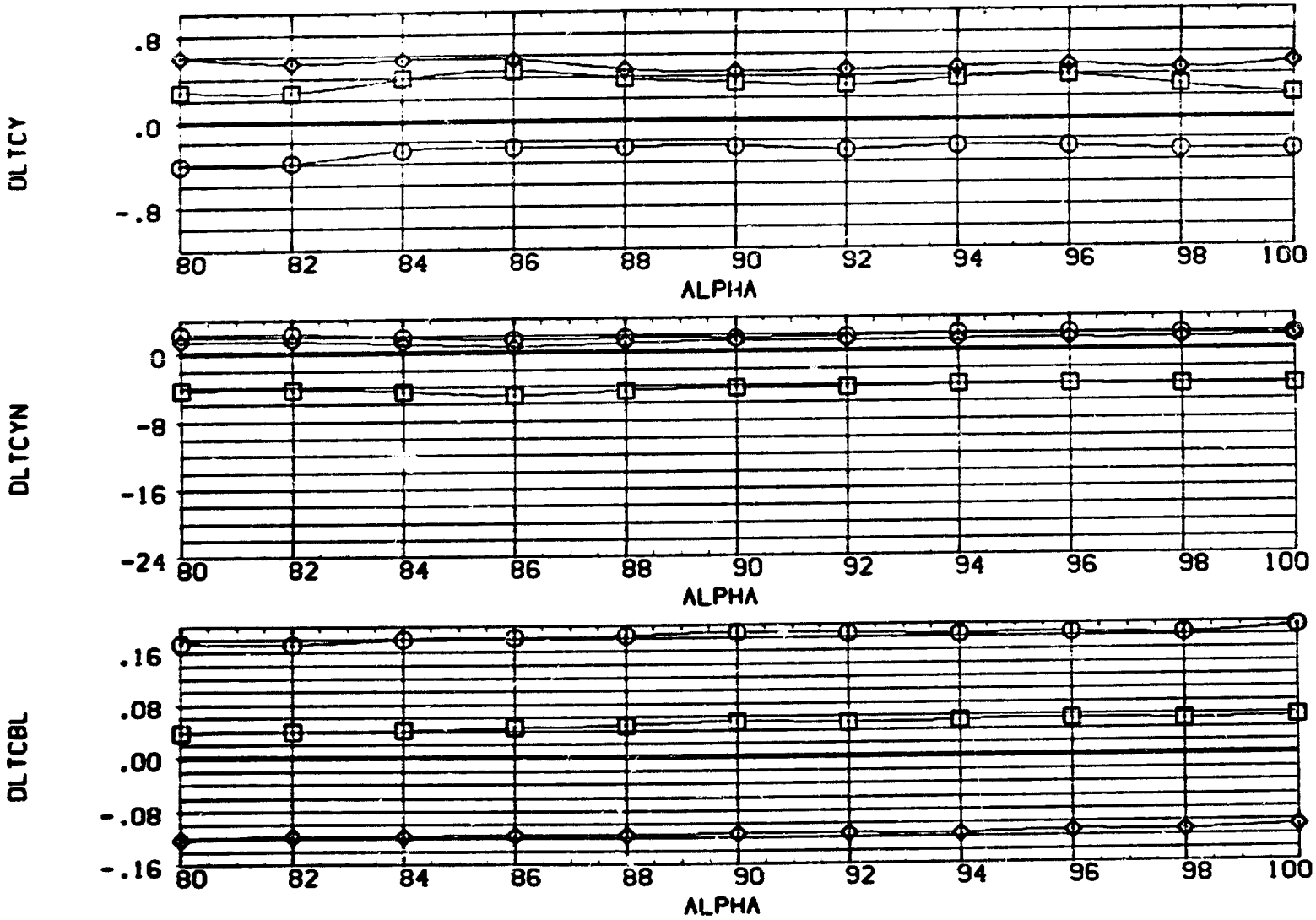
INCREMENTAL EFFECTS OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L=MAXIMUM)

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNC	ELETUN
[illegible]	–	LARC BT[illegible] SA-2FA; SRB W/BD. STRAKES(NOSE UP)	45.000	1.000	.000
[illegible]	□	LARC BT[illegible] SA-2FA; SRB W/BD. STRAKES(NOSE UP)	90.000	1.000	.000
[illegible]	◇	LARC BT[illegible] SA-2FA; SRB W/BD. STRAKES(NOSE UP)	135.000	1.000	.000

REFERENCE INFORMATION

SREF	7.06[illegible]	SQ.IN.
LREF	3.00[illegible]	INCHES
BREF	3.[illegible]	INCHES
XMRP	20.[illegible]340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.02[illegible]	SCALE



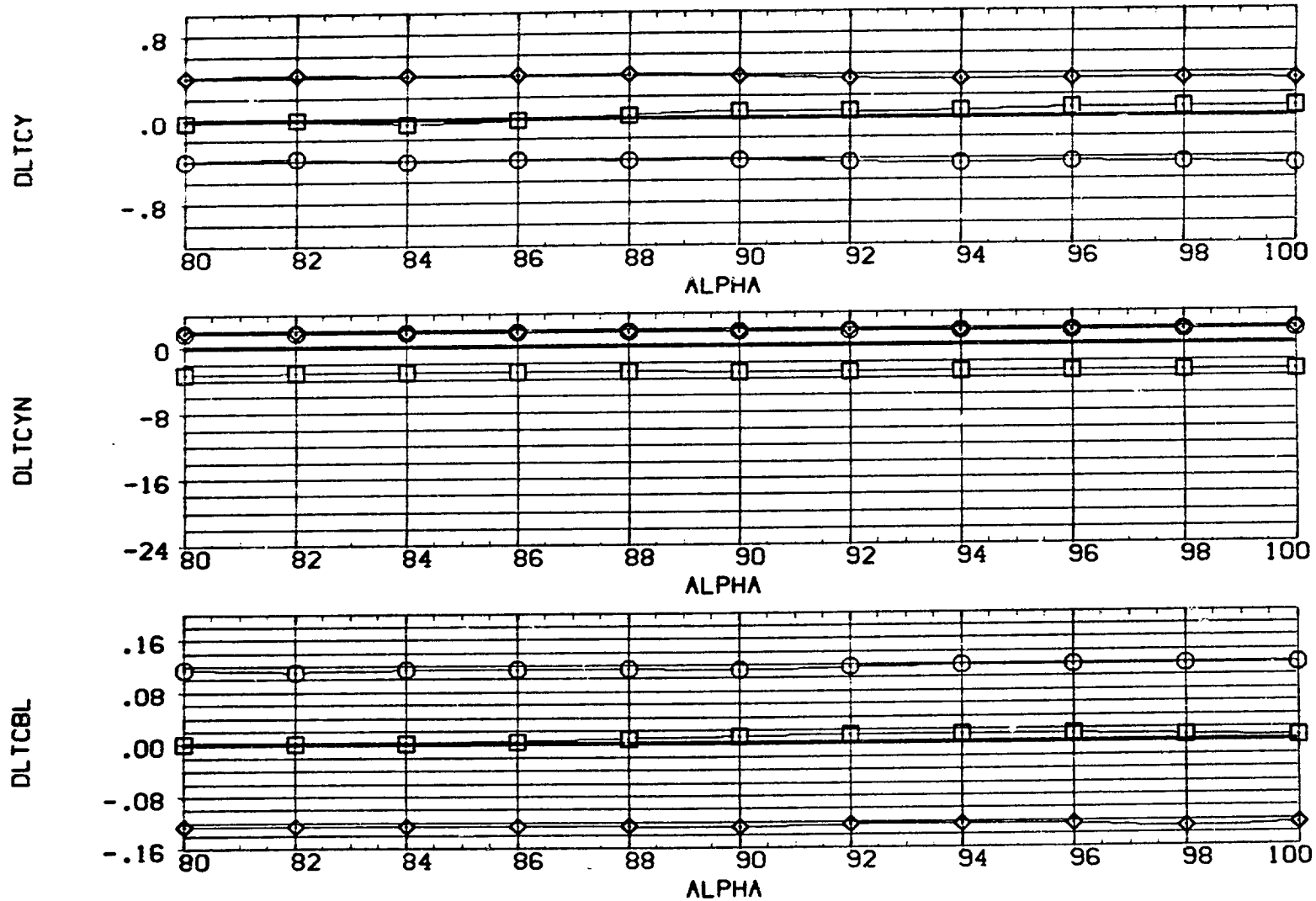
INCREMENTAL EFFECTS OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L=MAXIMUM)

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	DLTPHI	ATTRNG	ELETUN
[illegible]	□	LARC 8TPT-65E(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	45.000	1.000	.000
[illegible]	◇	LARC 8TPT-65E(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	90.000	1.000	.000
[illegible]	◇	LARC 8TPT-65E(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	135.000	1.000	.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0217	SCALE



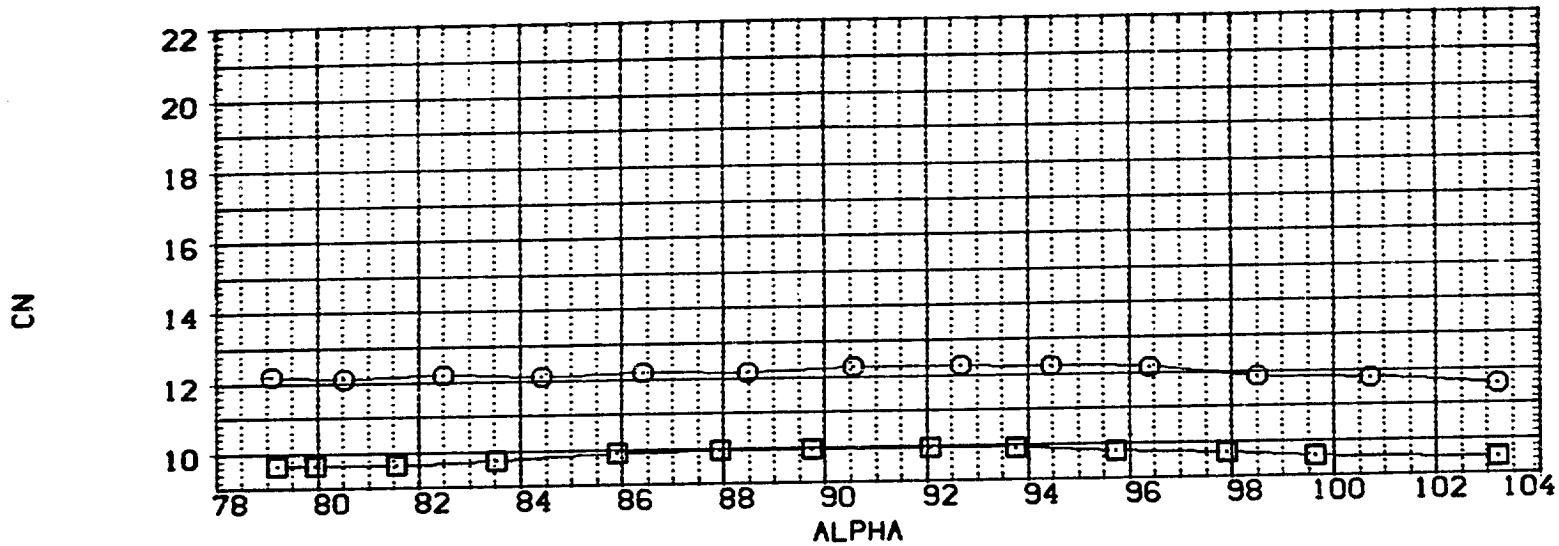
INCREMENTAL EFFECTS OF ANGULAR LOCATION OF SRB BODY STRAKES (RN/L=MAXIMUM)

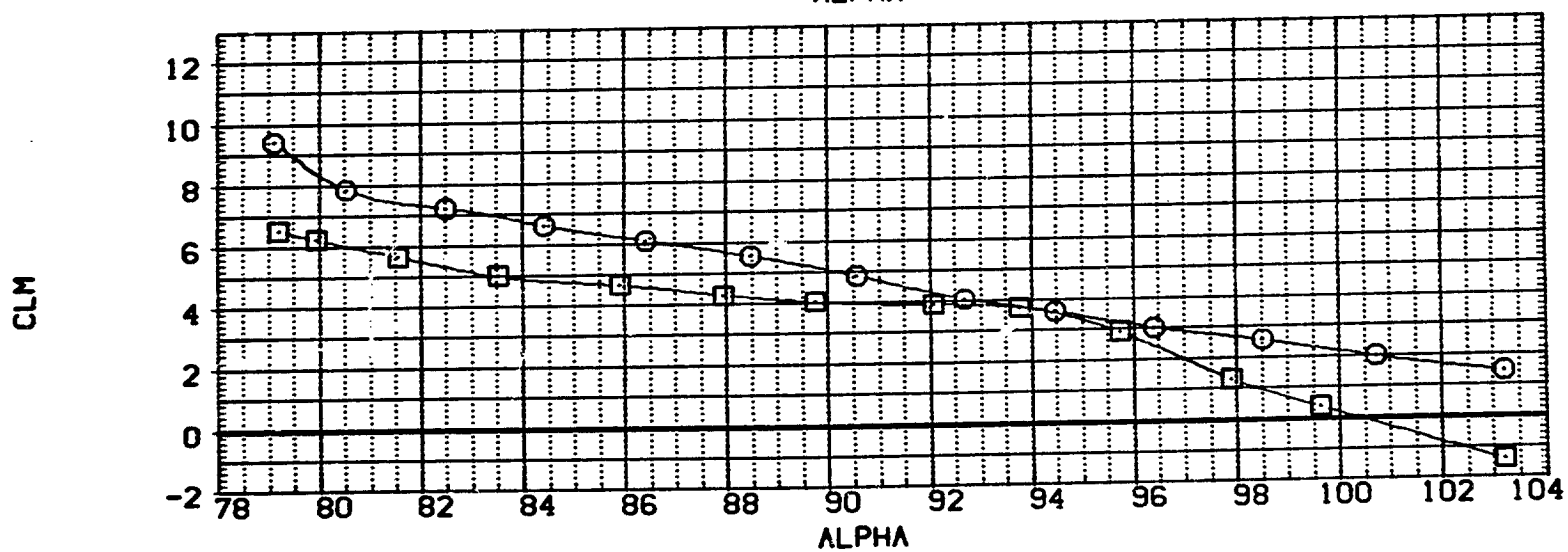
(D)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	FWDSTK	AFTSTK
BPS020	○	LARC BTF[illegible] SA-2FA SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100
BPS021	□	LARC BTF[illegible] SA-2FA SRB W/BD. STRAKES(NOSE UP)	3.600	90.000	1.100	1.100
BPS022	◇	DATA NOT AVAILABLE	4.200	90.000	1.100	1.100
BPS023	△	DATA NOT AVAILABLE	5.100	90.000	1.100	1.100
BPS024	◺	DATA NOT AVAILABLE	5.500	90.000	1.100	1.100

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



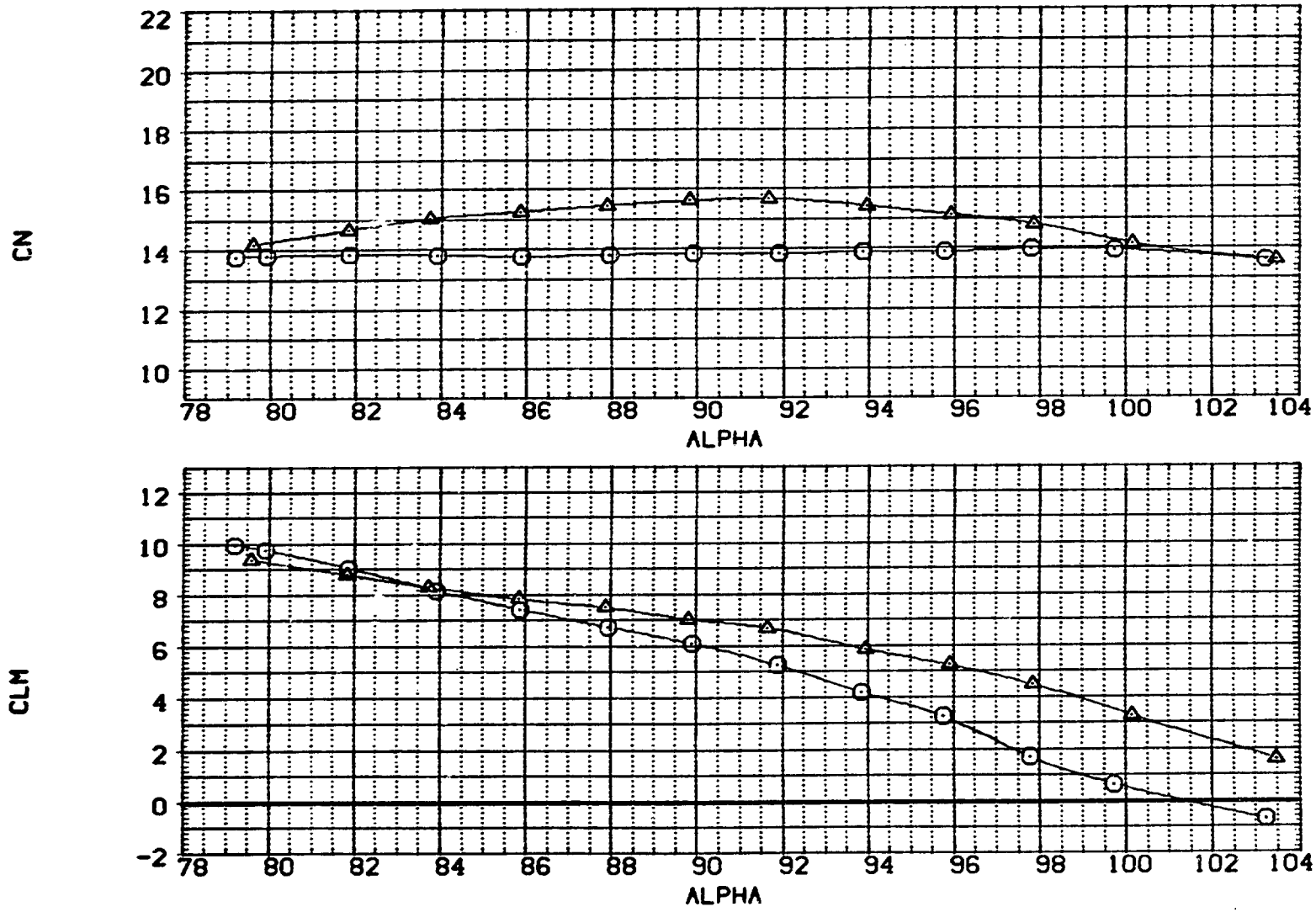


EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	FWDSTK	AFTSTK
BPS020	□	LARC BTPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100
BPS021	◇	DATA NOT AVAILABLE	3.600	90.000	1.100	1.100
BPS022	⊠	DATA NOT AVAILABLE	4.200	90.000	1.100	1.100
BPS023	△	LARC BTPT-65S(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	5.100	90.000	1.100	1.100
BPS024	◁	DATA NOT AVAILABLE	5.600	90.000	1.100	1.100

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

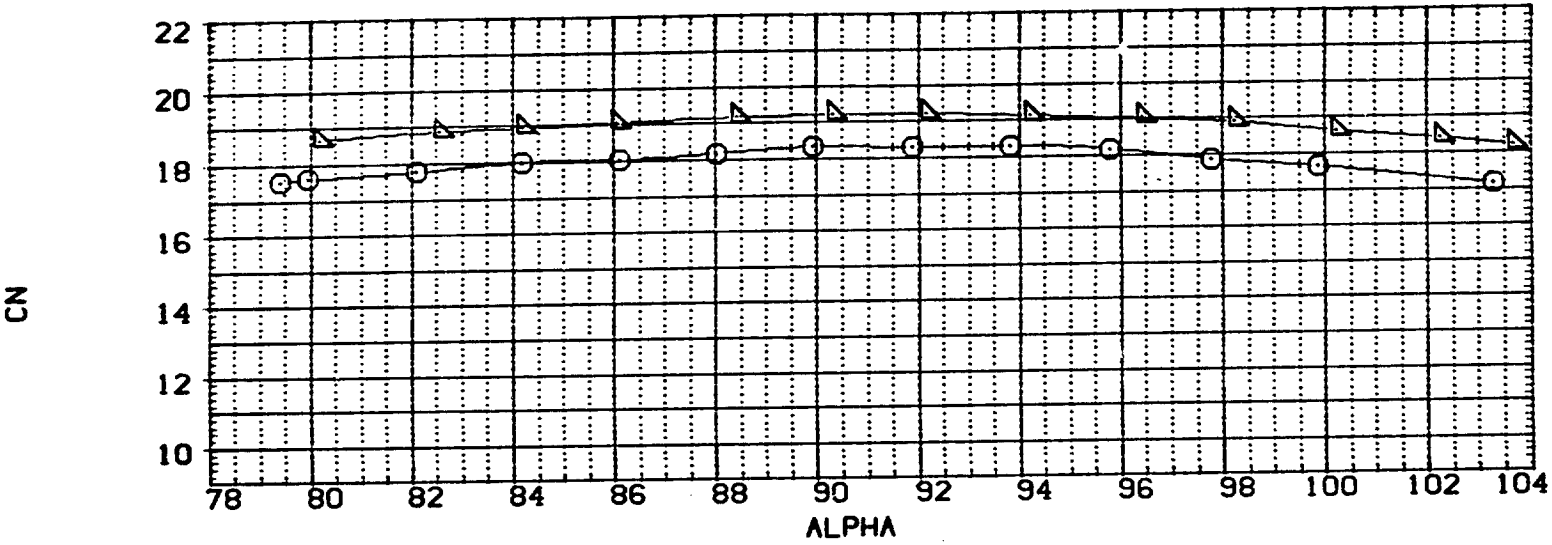


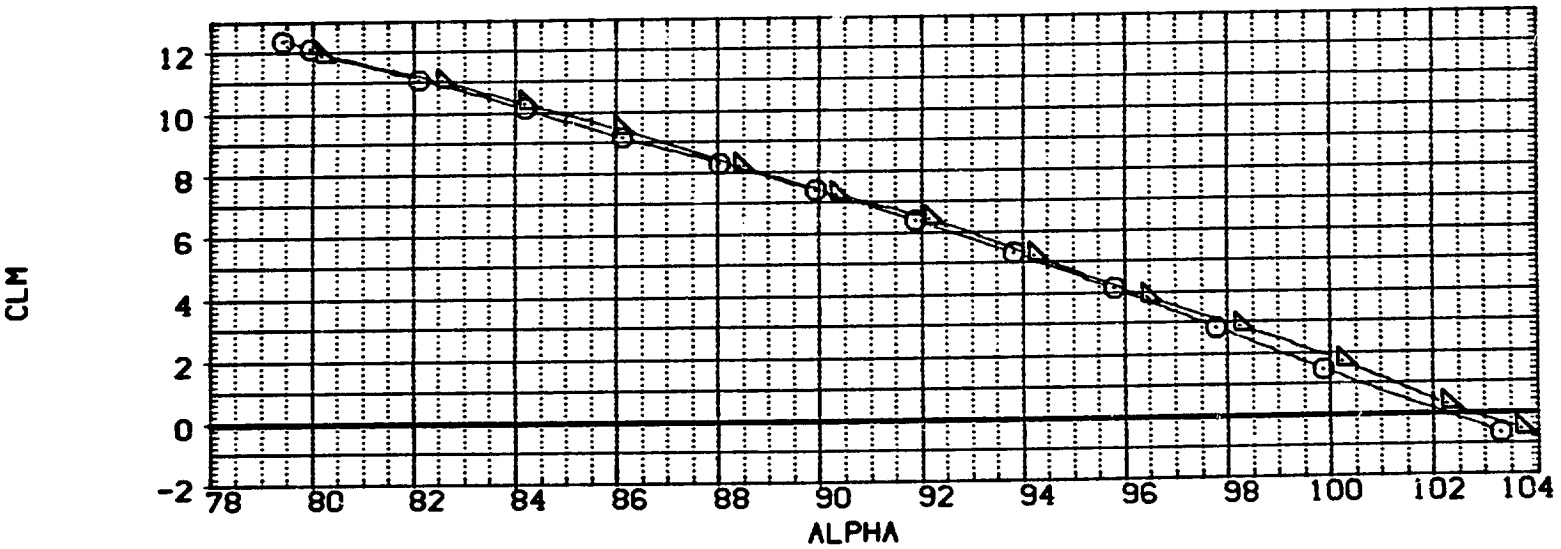
EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	FWDSTK	AFTSTK
(BPSC20)		LARC BTP-105 SA-2FA1 SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100
BPSC21		DATA NOT AVAILABLE	3.600	90.000	1.100	1.100
BPSC22		DATA NOT AVAILABLE	4.200	90.000	1.100	1.100
BPSC23		DATA NOT AVAILABLE	5.100	90.000	1.100	1.100
BPSC24		LARC BTP-105 SA-2FA1 SRB W/BD. STRAKES(NOSE UP)	5.500	90.000	1.100	1.100

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



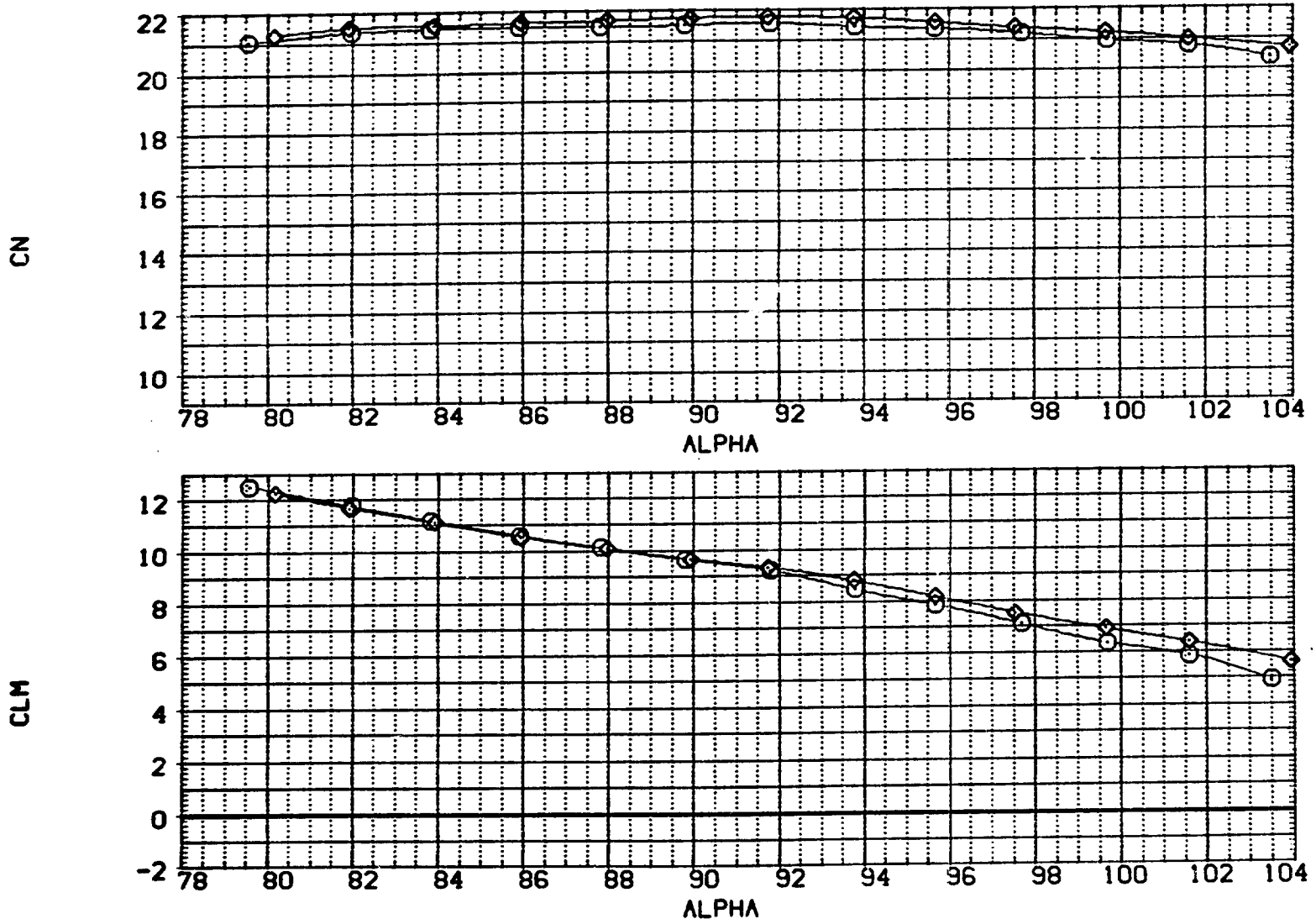


EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

(C)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	FWDSTK	AFTSTK
BPSO20	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100
BPSO21	DATA NOT AVAILABLE	3.600	90.000	1.100	1.100
BPSO22	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	4.200	90.000	1.100	1.100
BPSO23	DATA NOT AVAILABLE	5.100	90.000	1.100	1.100
BPSO24	DATA NOT AVAILABLE	5.500	90.000	1.100	1.100

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



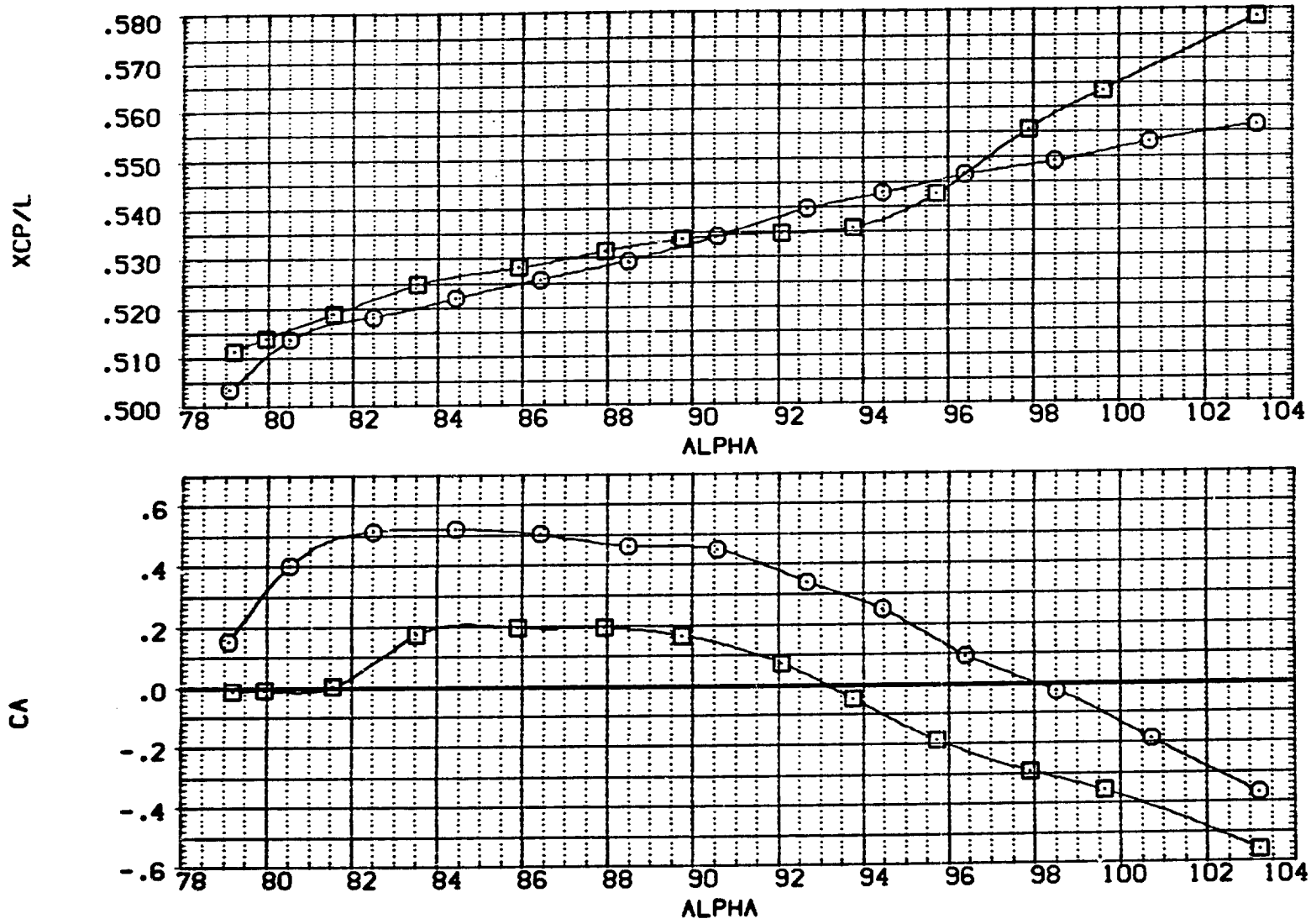
EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

(D)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	FWDSTK	AFTSTK
(BPS020)	○	LARC 8TF[illegible] SA-2FA) SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100
(BPS021)	□	LARC 8TF[illegible] SA-2FA) SRB W/BD. STRAKES(NOSE UP)	3.600	90.000	1.100	1.100
(BPS022)	◇	DATA NOT AVAILABLE	4.200	90.000	1.100	1.100
(BPS023)	△	DATA NOT AVAILABLE	5.100	90.000	1.100	1.100
(BPS024)	◺	DATA NOT AVAILABLE	5.500	90.000	1.100	1.100

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

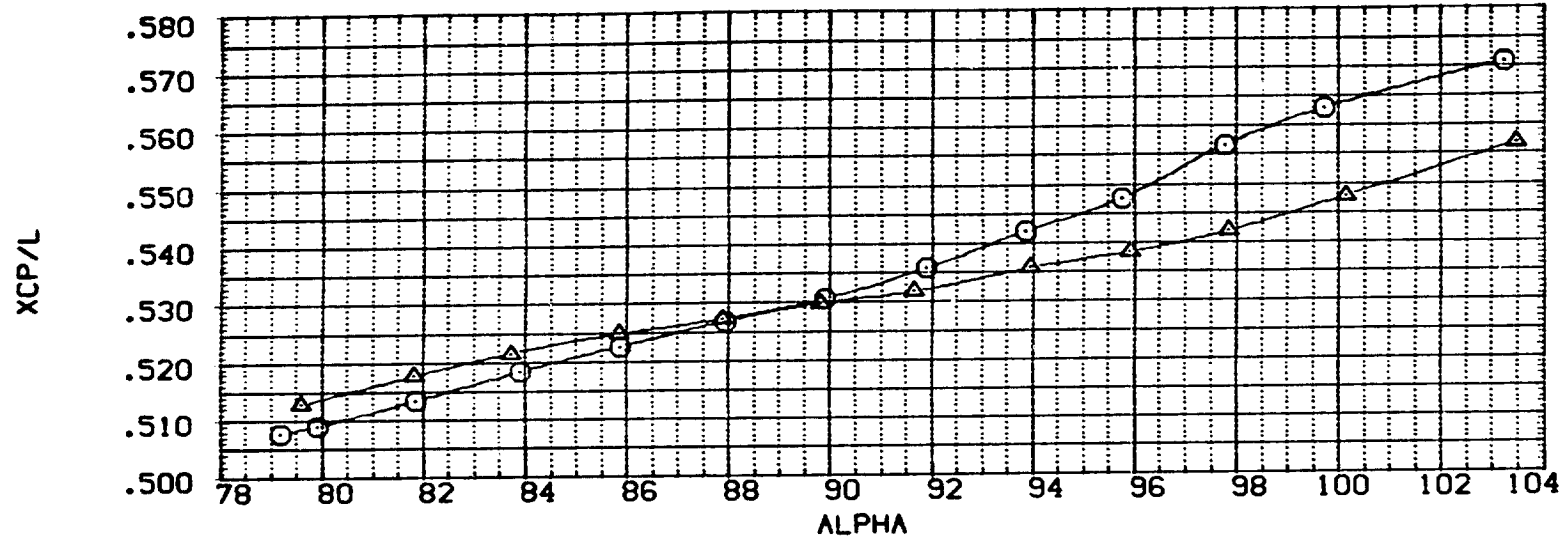


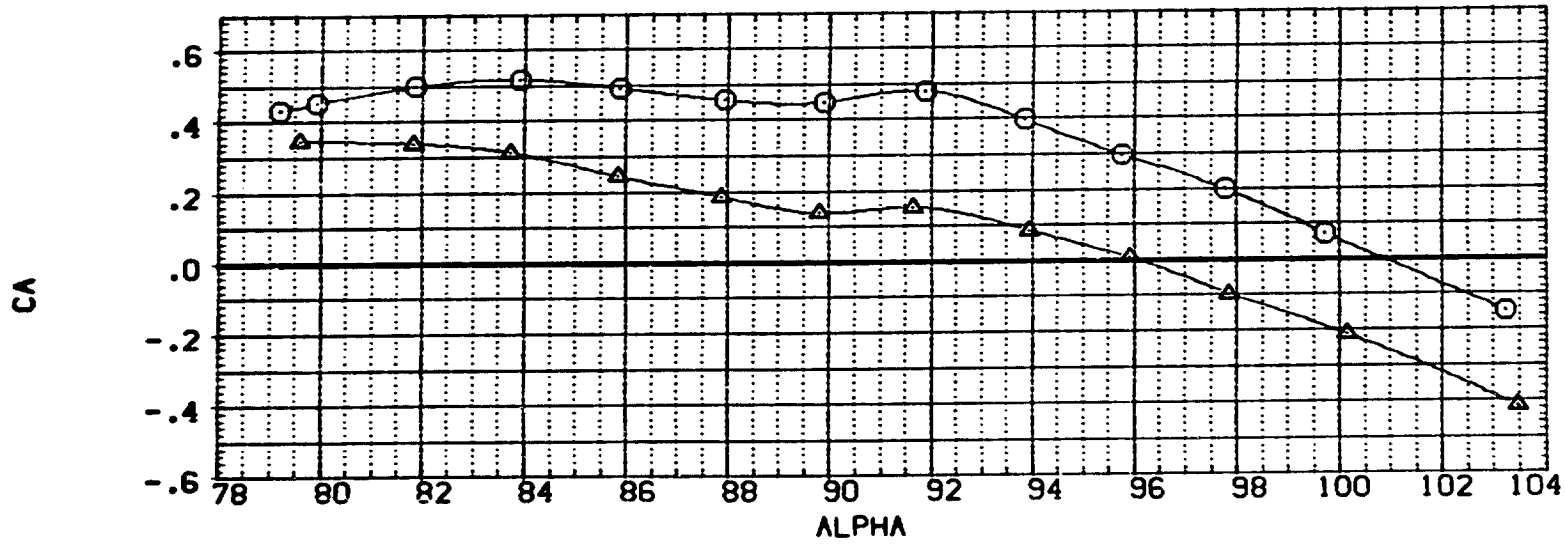
EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	FWDSTK	AFTSTK
6PSC20		LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100
6PSC21		DATA NOT AVAILABLE	3.600	90.000	1.100	1.100
6PSC22		DATA NOT AVAILABLE	4.200	90.000	1.100	1.100
6PSC23		LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	5.100	90.000	1.100	1.100
6PSC24		DATA NOT AVAILABLE	5.500	90.000	1.100	1.100

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





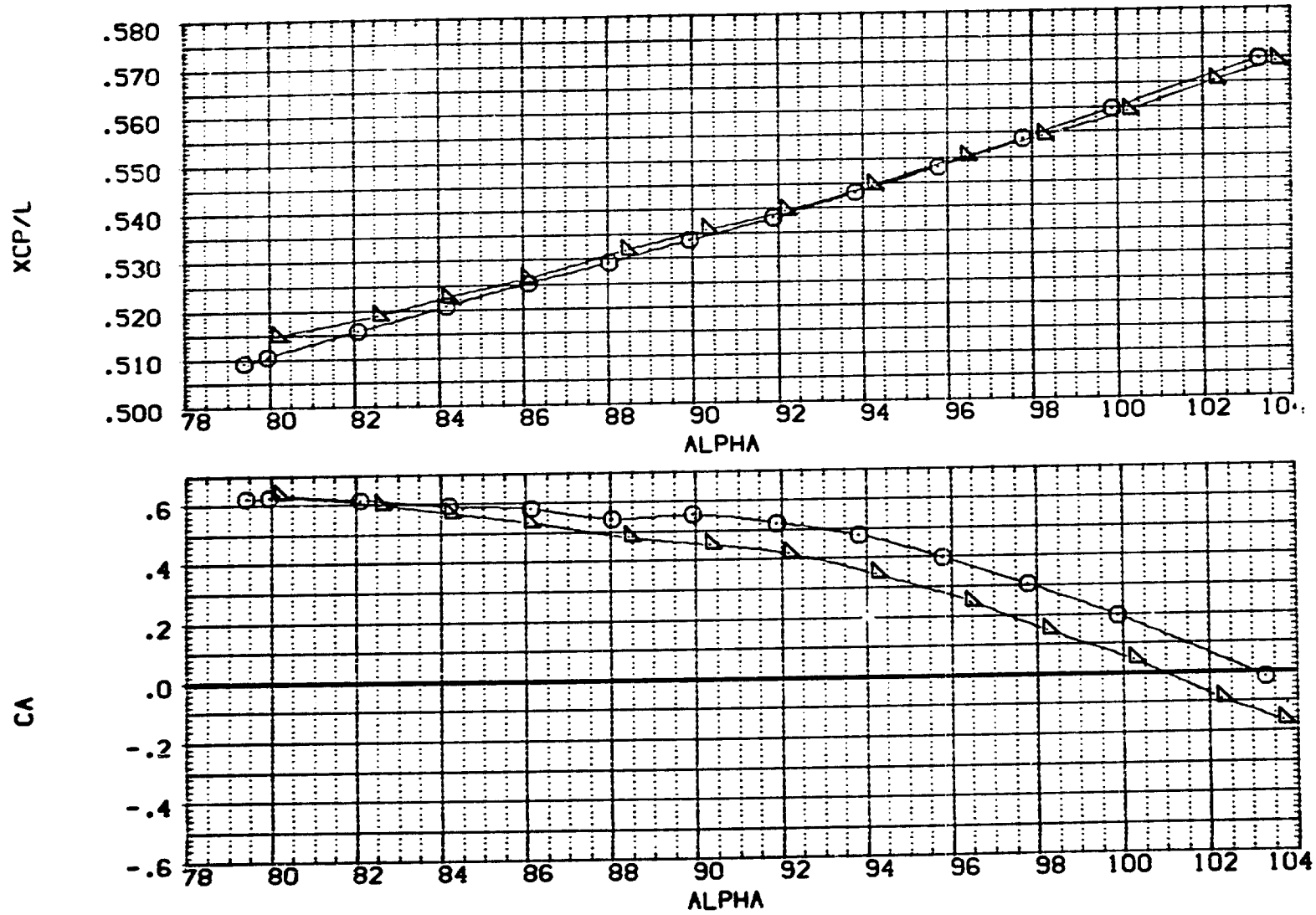
EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

(B)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	FWDSTK	AFTSTK
[illegible]	○	LARC BTPT-[illegible] (SA-2FA) SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100
[illegible]	□	DATA NOT AVAILABLE	3.600	90.000	1.100	1.100
[illegible]	◇	DATA NOT AVAILABLE	4.200	90.000	1.100	1.100
[illegible]	△	DATA NOT AVAILABLE	5.100	90.000	1.100	1.100
[illegible]	◁	LARC BTPT-[illegible] (SA-2FA) SRB W/BD. STRAKES(NOSE UP)	5.500	90.000	1.100	1.100

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

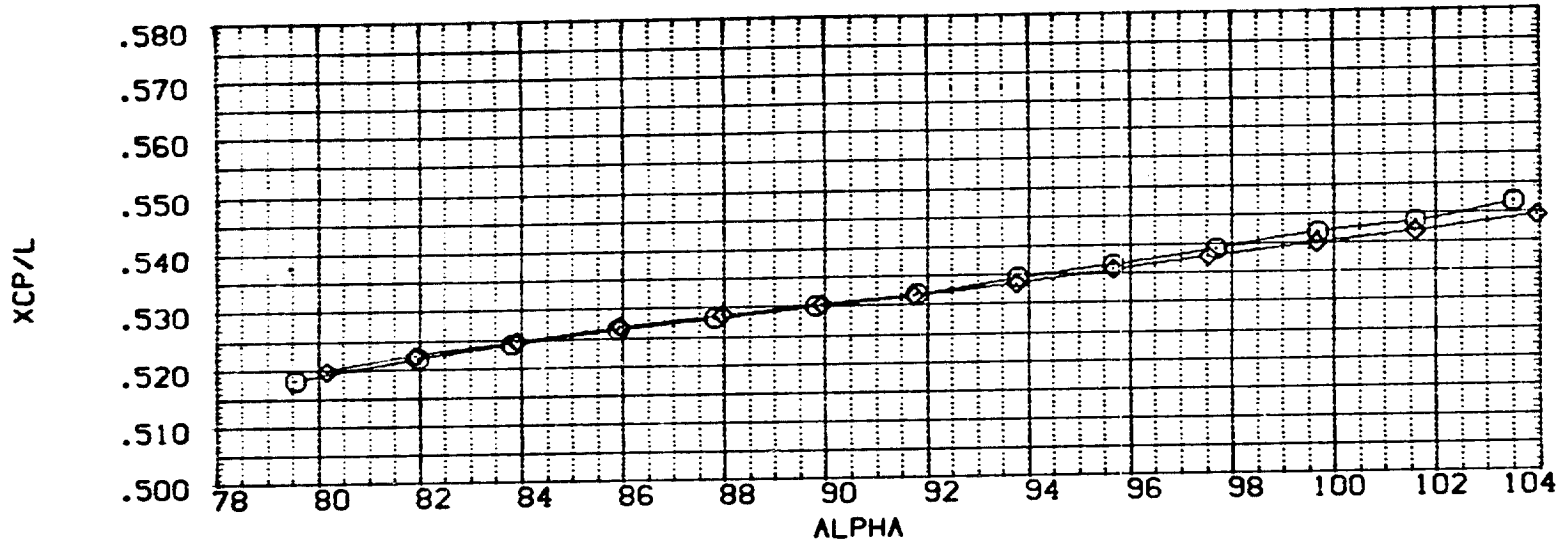


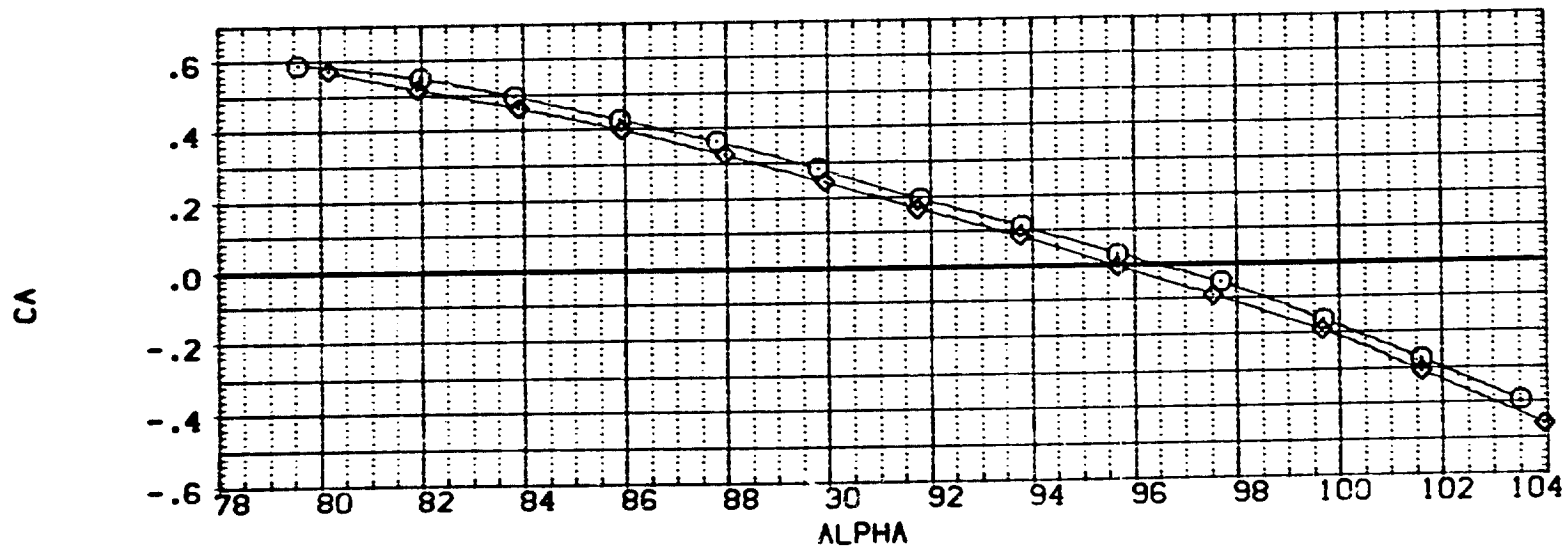
EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

(C)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	FWDSTK	AFTSTK
[illegible]	LARC BTPT-GESISA-2FA) SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100
[illegible]	DATA NOT AVAILABLE	3.600	90.000	1.100	1.100
[illegible]	LARC BTPT-GESISA-2FA) SRB W/BD. STRAKES(NOSE UP)	4.200	90.000	1.100	1.100
[illegible]	DATA NOT AVAILABLE	5.100	90.000	1.100	1.100
[illegible]	DATA NOT AVAILABLE	5.500	90.000	1.100	1.100

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



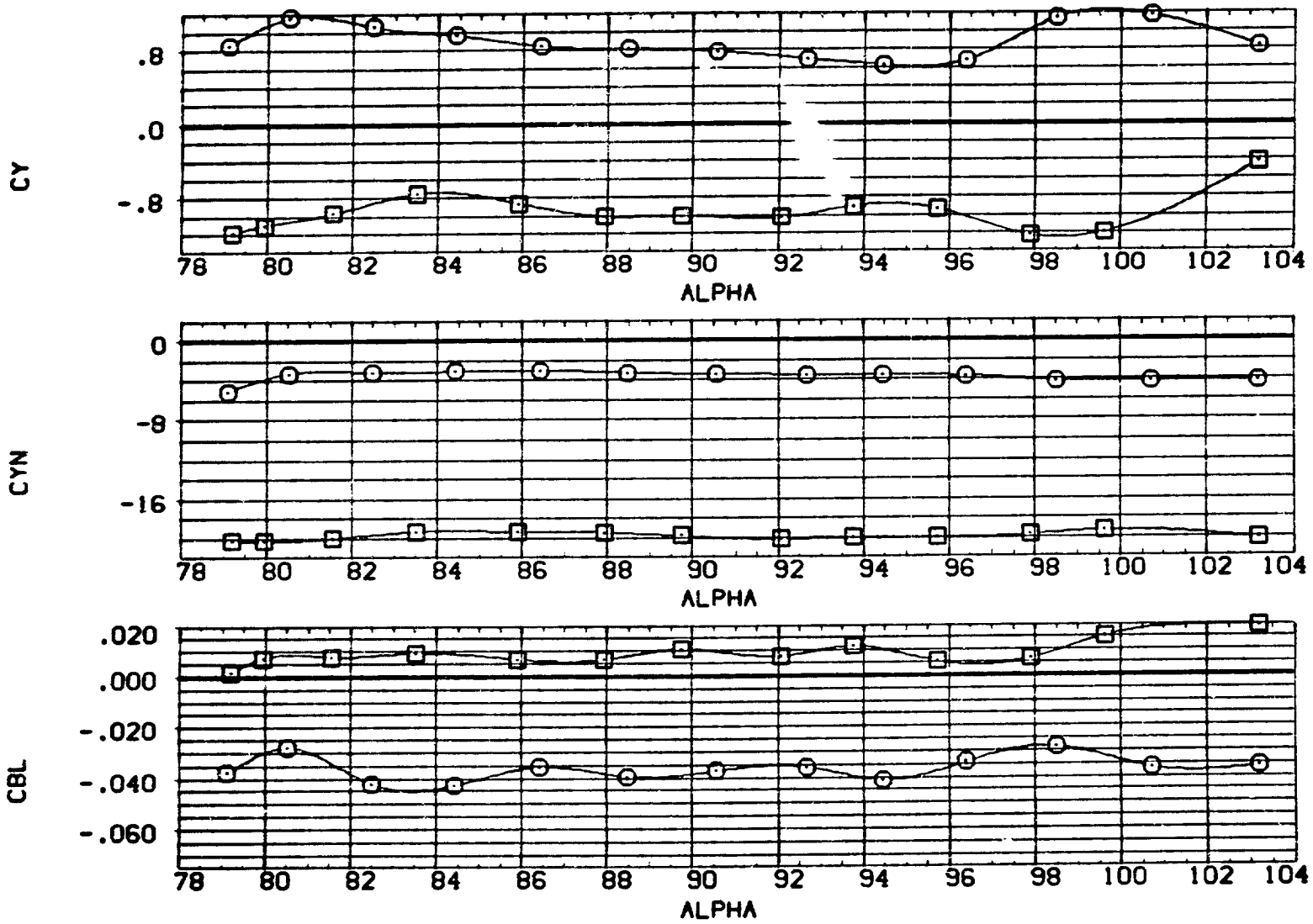


EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

(D)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	FWDSTK	AFTSTK
BPS020	□	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100
BPS021	▽	LARC 8TPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	3.600	90.000	1.100	1.100
BPS022	◇	DATA NOT AVAILABLE	4.200	90.000	1.100	1.100
BPS023	△	DATA NOT AVAILABLE	5.100	90.000	1.100	1.100
BPS024	◁	DATA NOT AVAILABLE	5.500	90.000	1.100	1.100

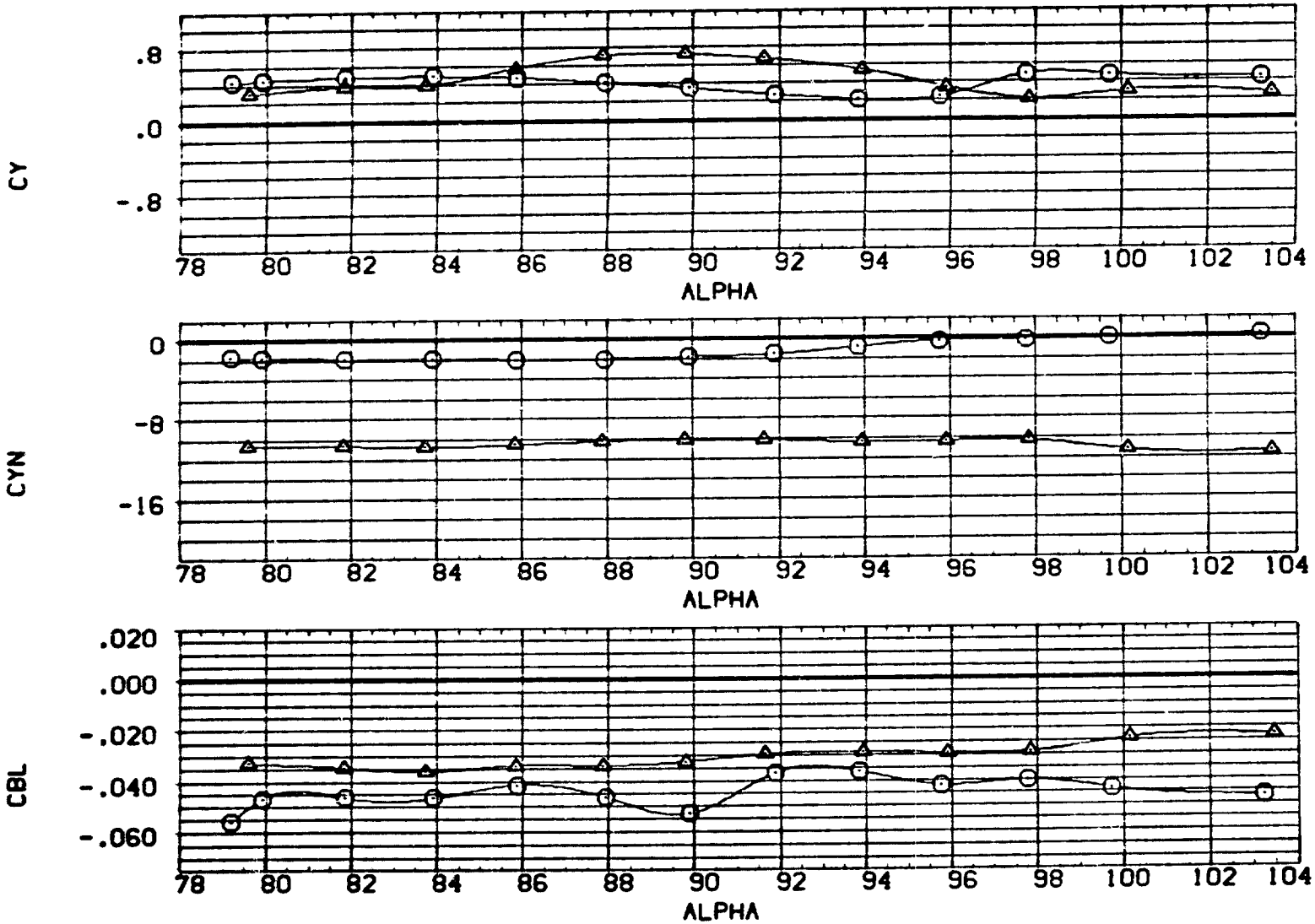
REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

(A)MACH = .40

[illegible]		LARC 8TPT-65[illegible]SA-2FA) SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100	SREF	7.0690	SQ.IN.
[illegible]		DATA NOT AVAILABLE	3.600	90.000	1.100	1.100	LREF	3.0000	INCHES
[illegible]		DATA NOT AVAILABLE	4.200	90.000	1.100	1.100	BREF	3.0000	INCHES
[illegible]		LARC 8TPT-65[illegible]SA-2FA) SRB W/BD. STRAKES(NOSE UP)	5.100	90.000	1.100	1.100	XMRP	20.8340	INCHES
[illegible]		DATA NOT AVAILABLE	5.500	90.000	1.100	1.100	YMRP	.0000	INCHES
							ZMRP	.0000	INCHES
							SCALE	.0211	SCALE

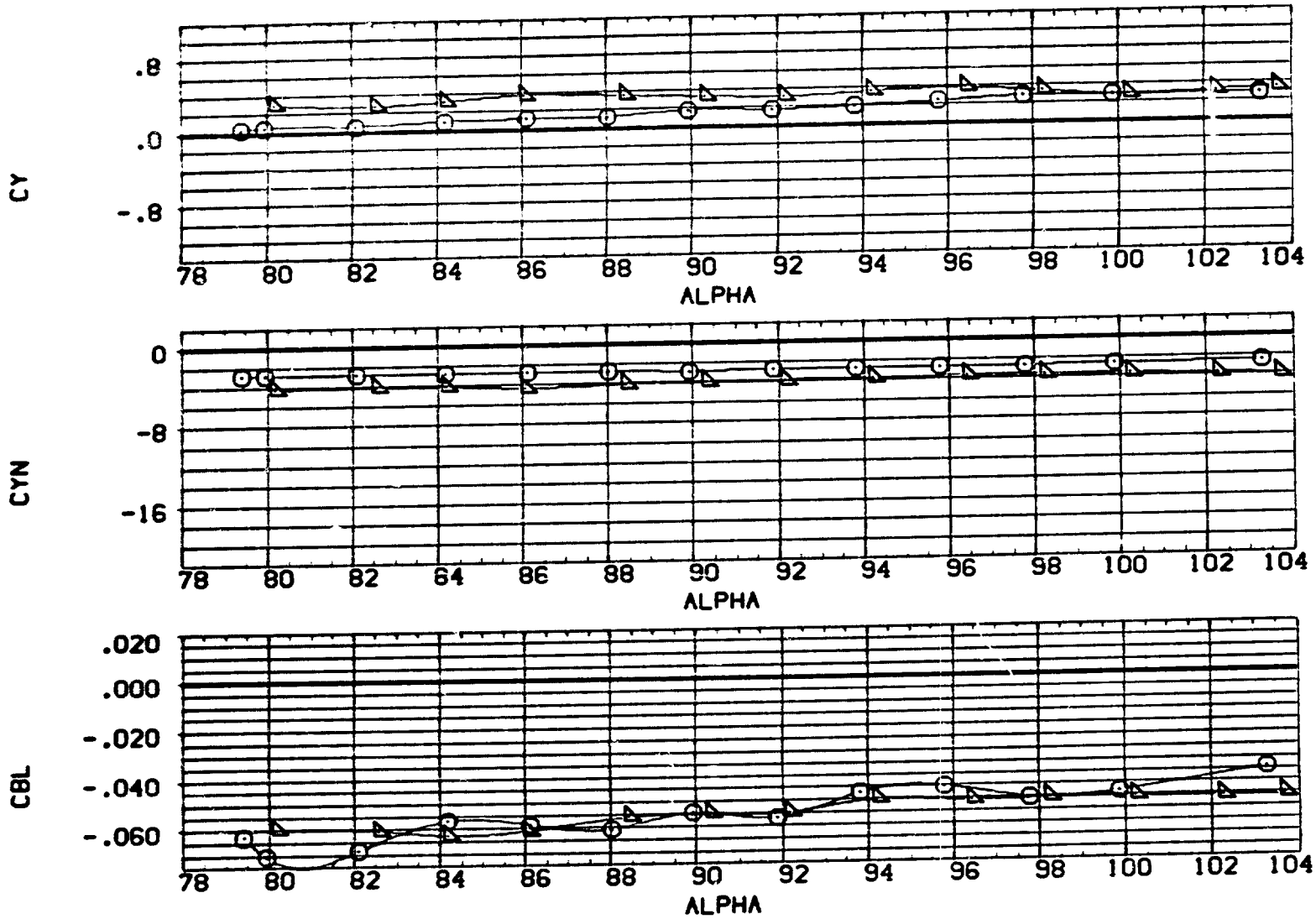


EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

(B)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	FWDSTK	AFTSTK
EFSC6	LARC BTP[illegible] SA-2FA SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100
EFSC21	DATA NOT AVAILABLE	3.600	90.000	1.100	1.100
EFSC22	DATA NOT AVAILABLE	4.200	90.000	1.100	1.100
EFSC23	DATA NOT AVAILABLE	5.100	90.000	1.100	1.100
EFSC24	LARC BTP[illegible] SA-2FA SRB W/BD. STRAKES(NOSE UP)	5.500	90.000	1.100	1.100

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

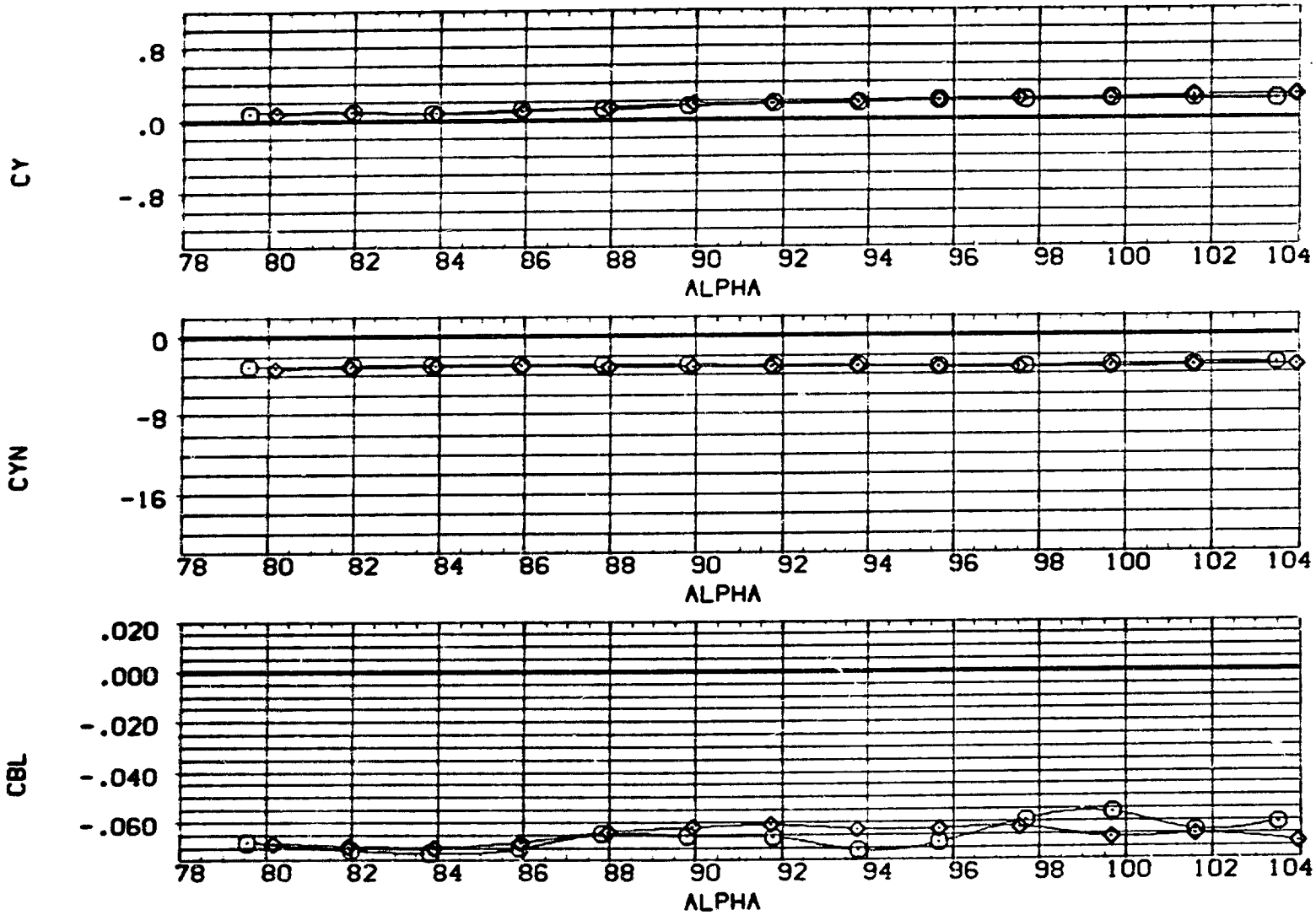


EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

(C)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	FWDSTK	AFTSTK
[illegible]	LARC STPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	2.000	90.000	1.100	1.100
[illegible]	DATA NOT AVAILABLE	3.600	90.000	1.100	1.100
[illegible]	LARC STPT-655(SA-2FA) SRB W/BD. STRAKES(NOSE UP)	4.200	90.000	1.100	1.100
[illegible]	DATA NOT AVAILABLE	5.100	90.000	1.100	1.100
[illegible]	DATA NOT AVAILABLE	5.500	90.000	1.100	1.100

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



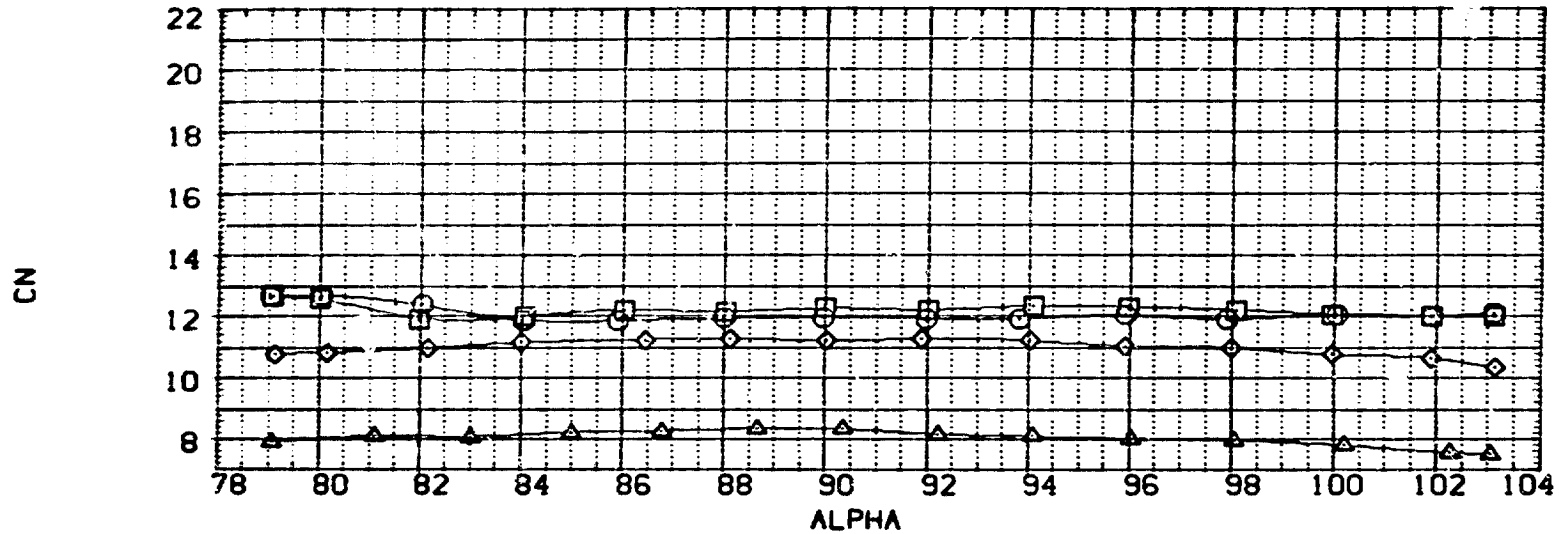
EFFECT OF REYNOLDS NO. ON SRB WITH BODY STRAKES

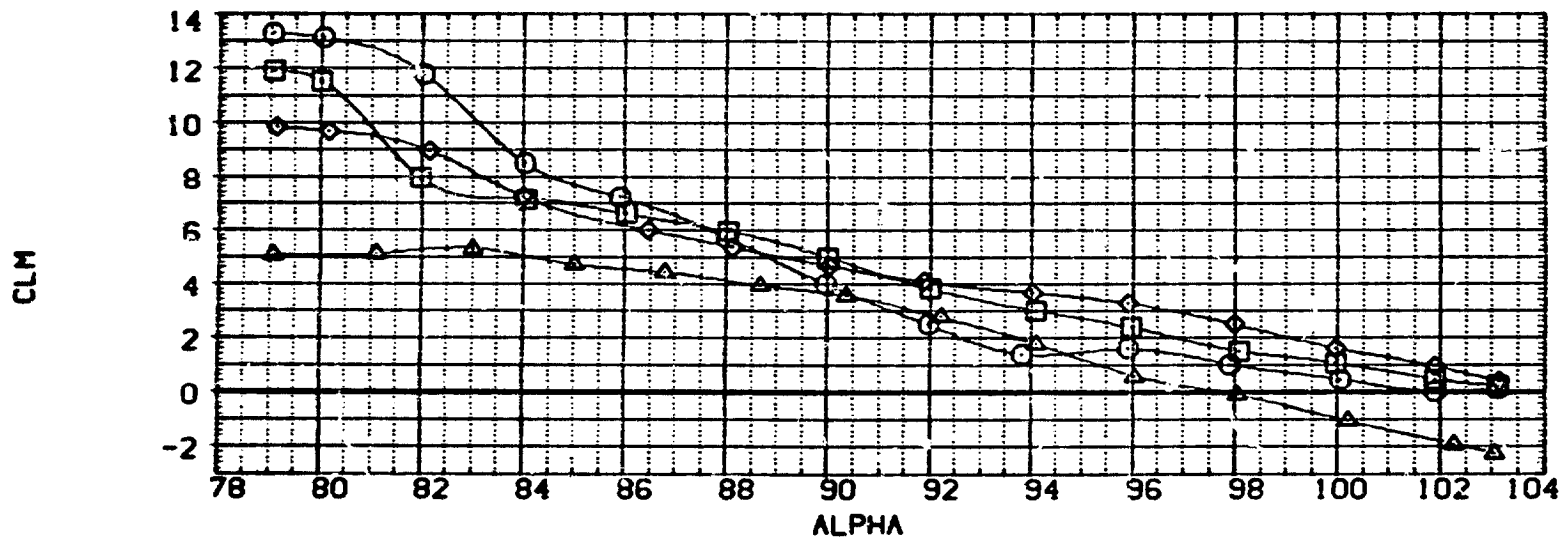
(D)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNC
BPS[illegible]	○	LARC BTPT-[illegible] SA-2FA) SRB (NOSE UP)	.000	.600	1.000
BPS[illegible]3	□	LARC BTPT-[illegible] SA-2FA) SRB (NOSE UP)	.000	1.200	1.000
BPS[illegible]4	◇	LARC HTPT-[illegible] SA-2FA) SRB (NOSE UP)	.000	2.000	1.000
(BPS[illegible]6)	△	LARC BTPT-[illegible] SA-2FA) SRB (NOSE UP)	.000	3.600	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





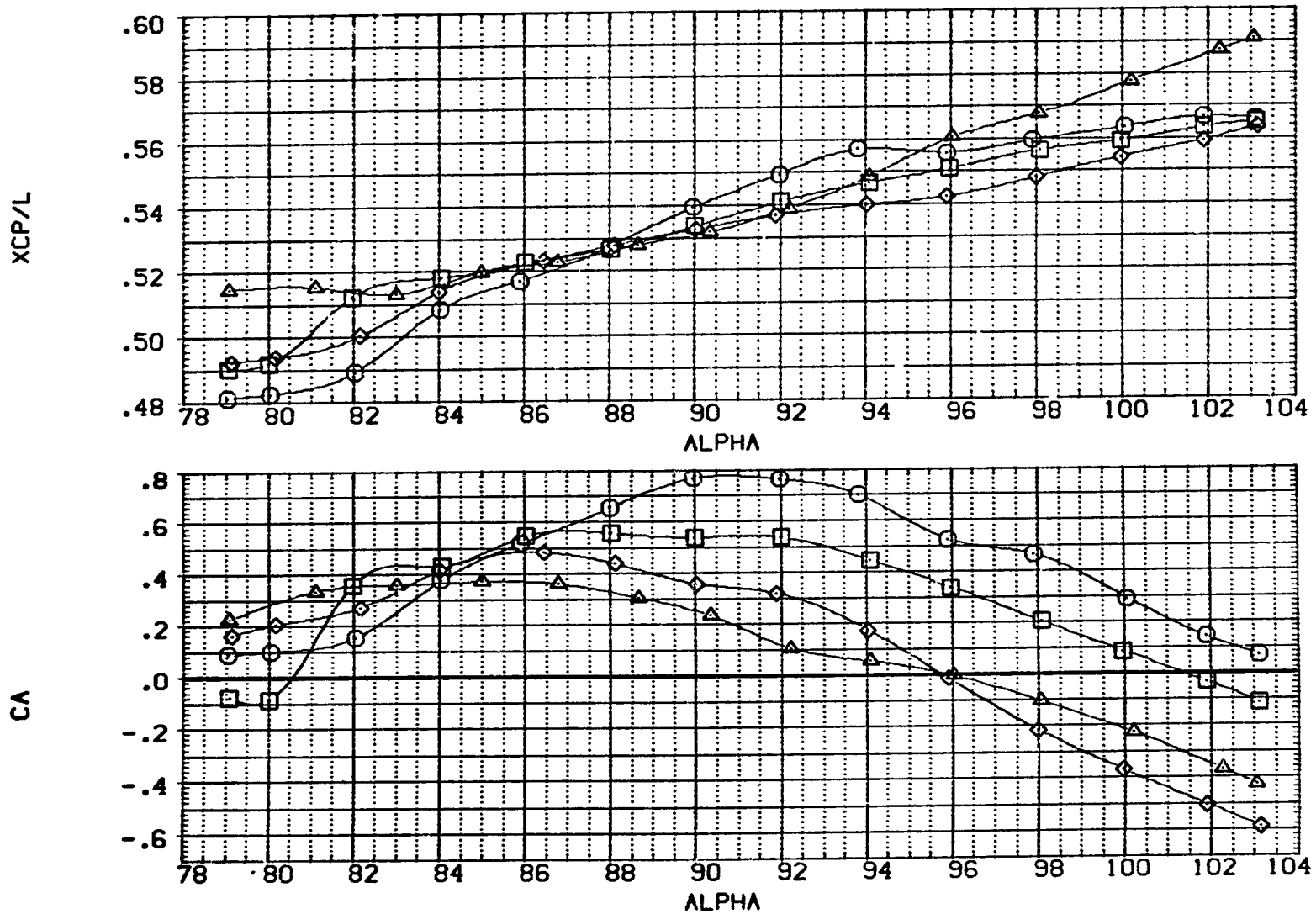
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

(A)MACH = .40

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
(BP#0001)	LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)	.000	.600	1.000
(BP#0003)	LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)	.000	1.200	1.000
(BP#0004)	LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)	.000	2.000	1.000
(BP#0006)	LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)	.000	3.600	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



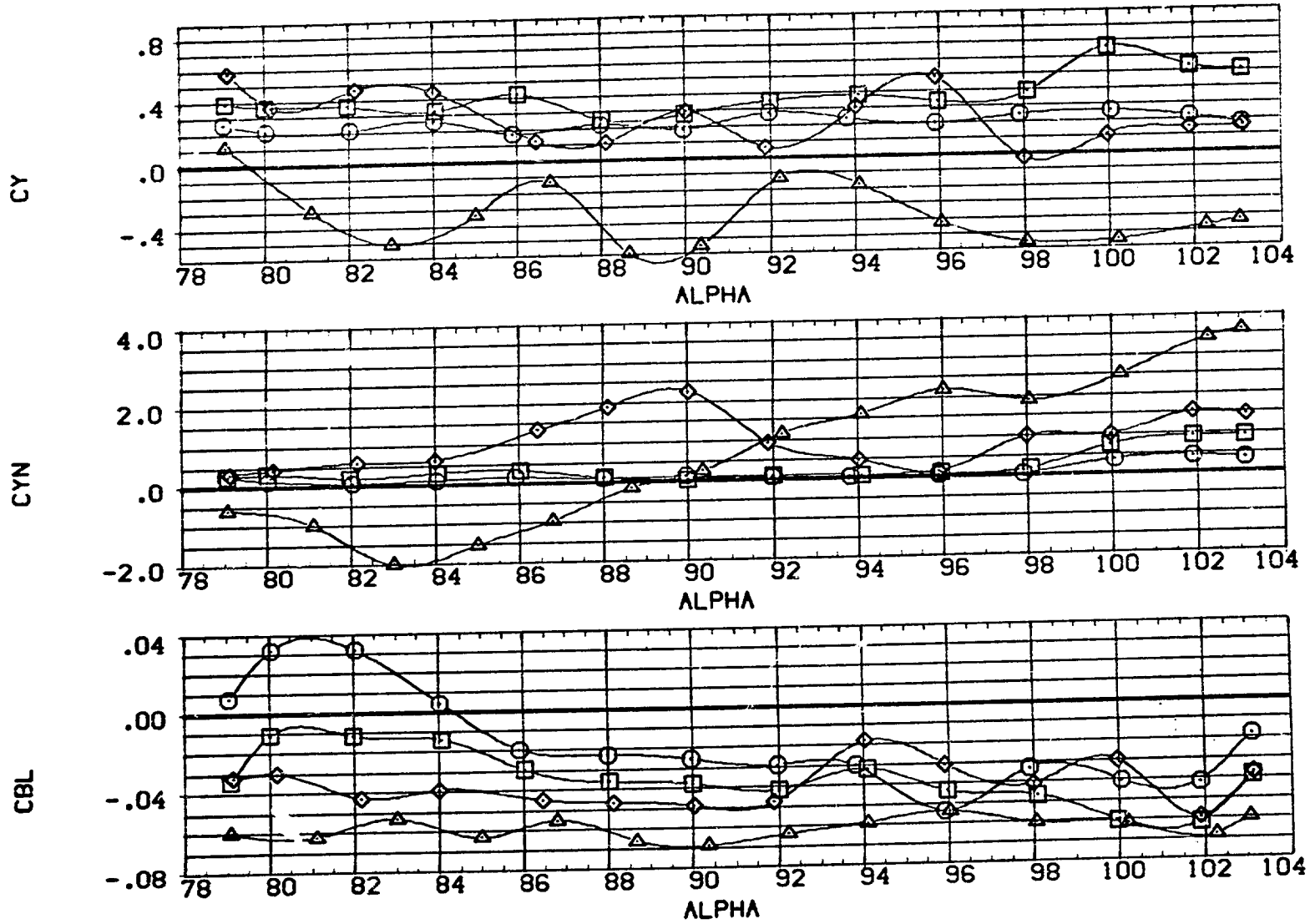
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

(A)MACH = .40

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNC
[illegible]	LARC [illegible] SA-2FA) SRB (NOSE UP)	.000	.600	1.000
□	LARC 8TP[illegible] SA-2FA) SRB (NOSE UP)	.000	1.200	1.000
⊠	LARC 8T[illegible] SA-2FA) SRB (NOSE UP)	.000	2.000	1.000
⧖	LARC 8TFT-[illegible] SA-2FA) SRB (NOSE UP)	.000	3.600	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

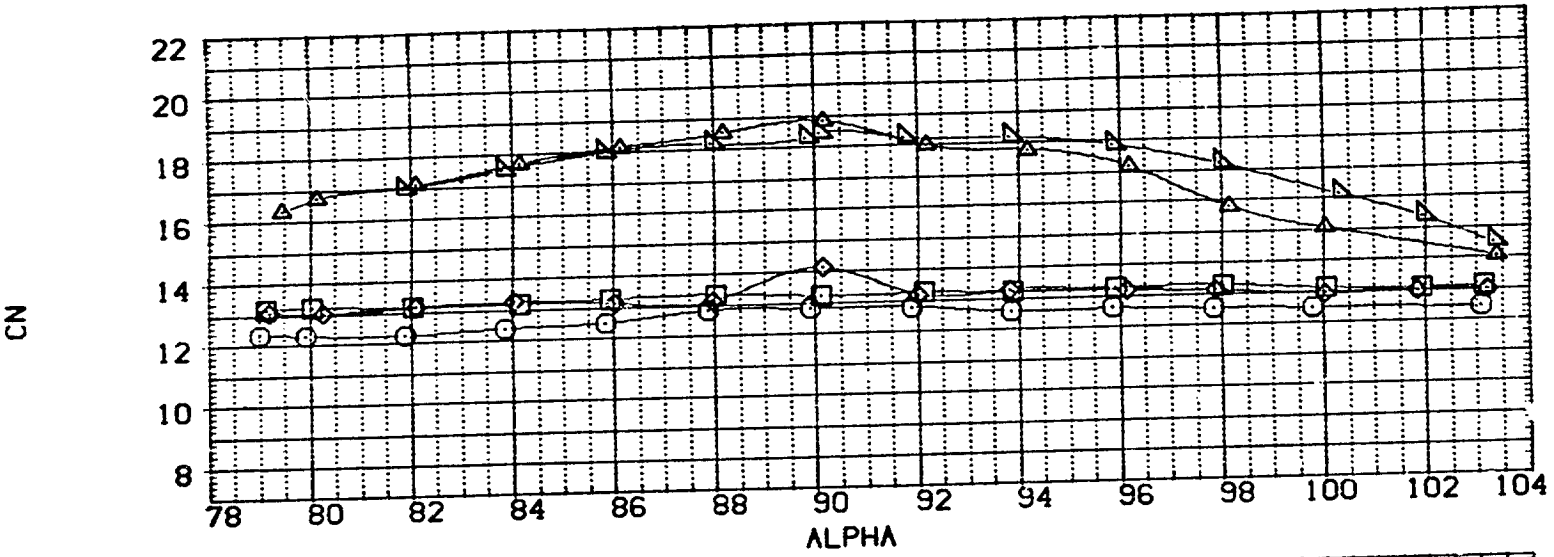


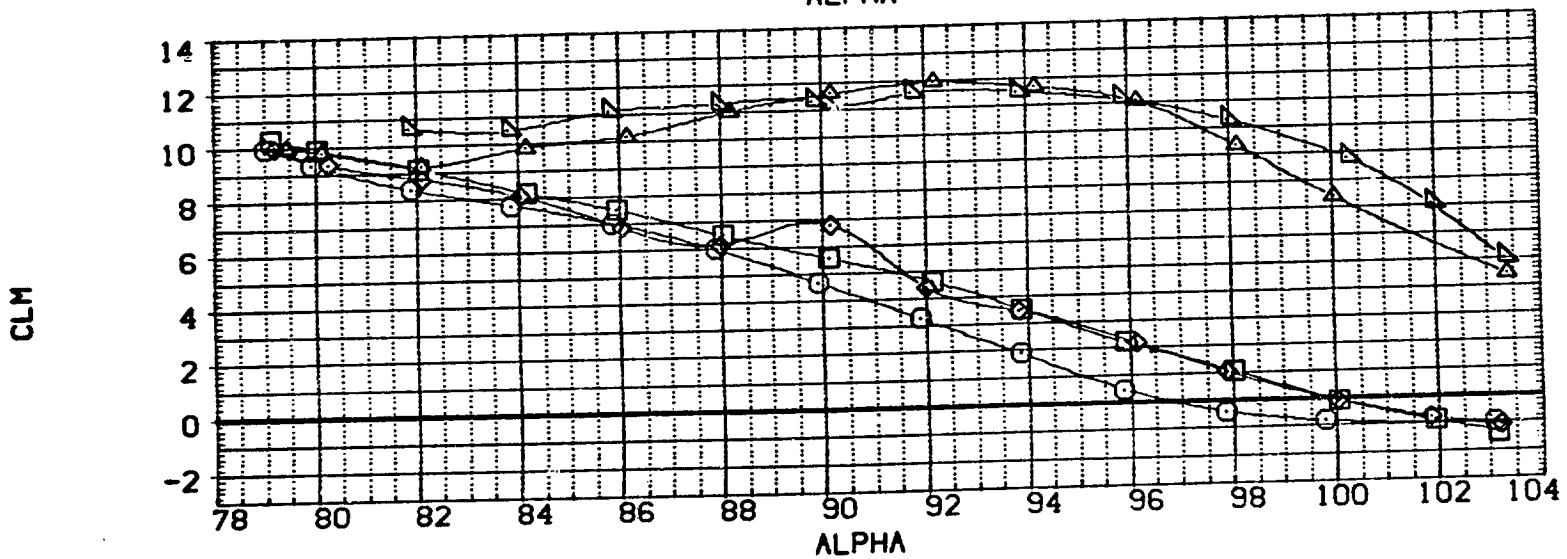
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

(A)MACH = .40

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
[illegible]	LARC 8TPT-65E(SA-2FA) SRB (NOSE CP)	.000	.600	1.000
[illegible]	LARC 8TPT-65E(SA-2FA) SRB (NOSE CP)	.000	1.200	1.000
[illegible]	LARC 8TPT-65E(SA-2FA) SRB (NOSE CP)	.000	2.000	1.000
[illegible]	LARC 8TPT-65E(SA-2FA) SRB (NOSE CP)	.000	3.600	1.000
[illegible]	LARC 8TPT-65E(SA-2FA) SRB (NOSE CP)	.000	5.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



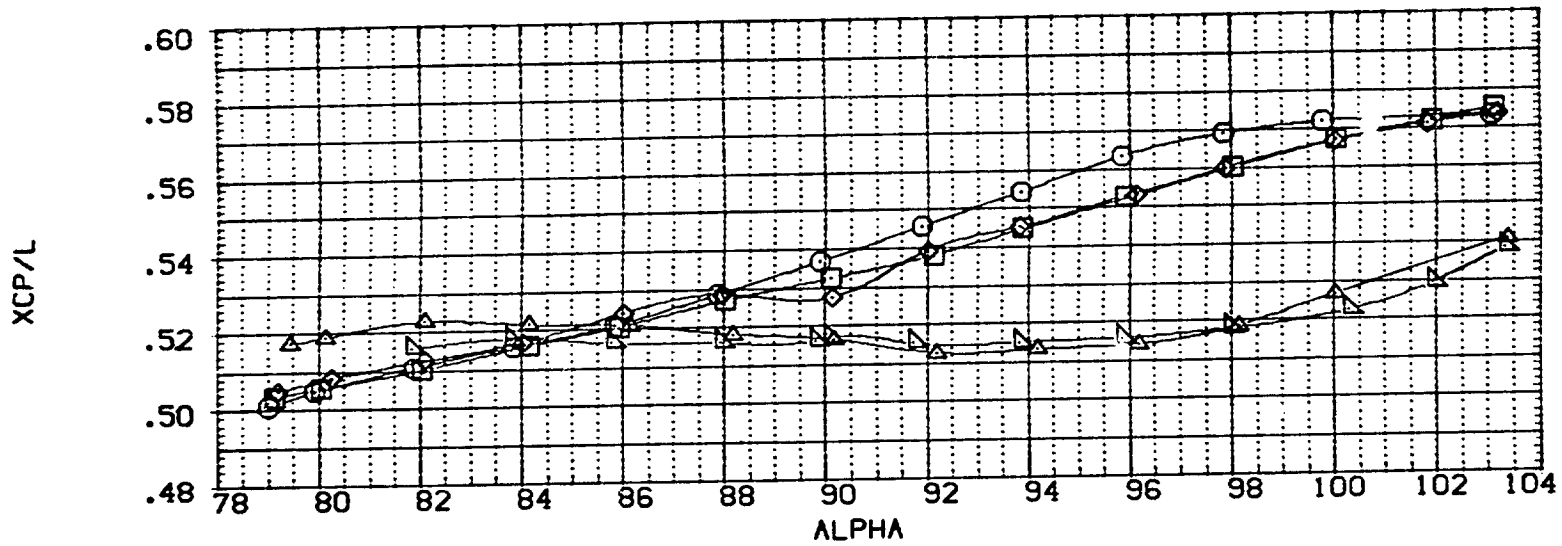


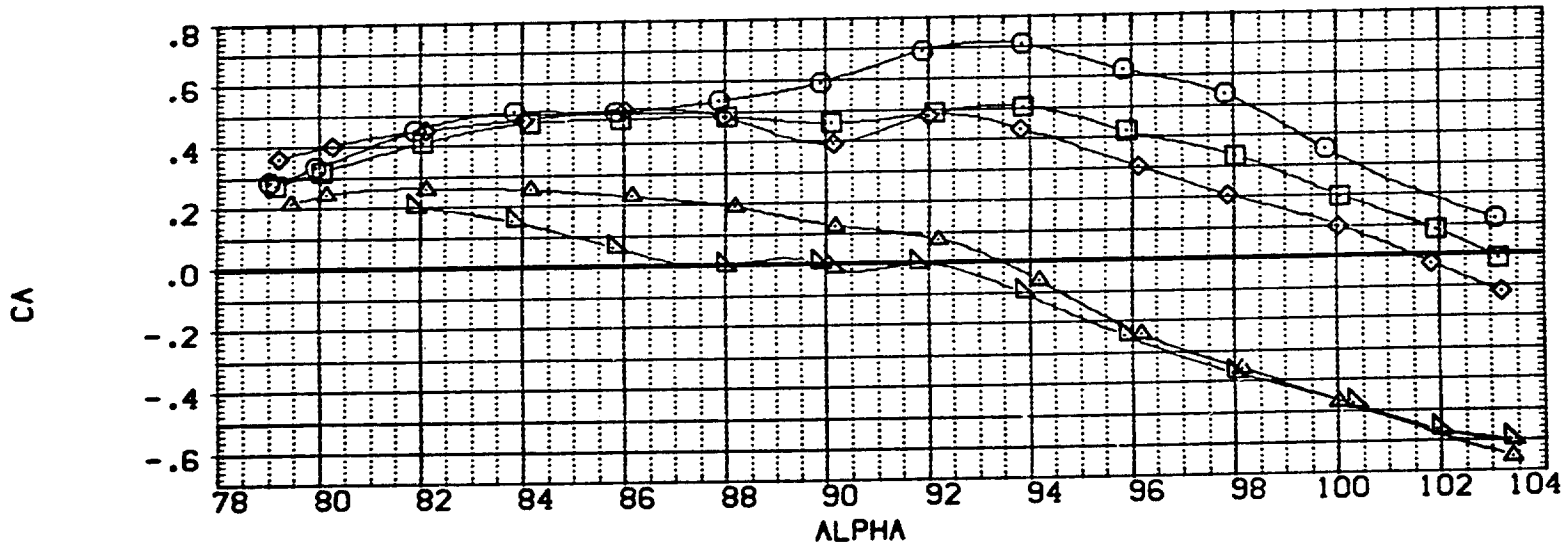
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
[illegible]		LARC BTPT-[illegible] SA-2FA SRB (NOSE UP)	.000	.600	1.000
[illegible]		LARC BTPT-[illegible] SA-2FA SRB (NOSE UP)	.000	1.200	1.000
[illegible]		LARC BTPT-655 SA-2FA SRB (NOSE UP)	.000	2.000	1.000
[illegible]		LARC BTPT-655 SA-2FA SRB (NOSE UP)	.000	3.600	1.000
[illegible]		LARC BTPT-655 SA-2FA SRB (NOSE UP)	.000	5.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

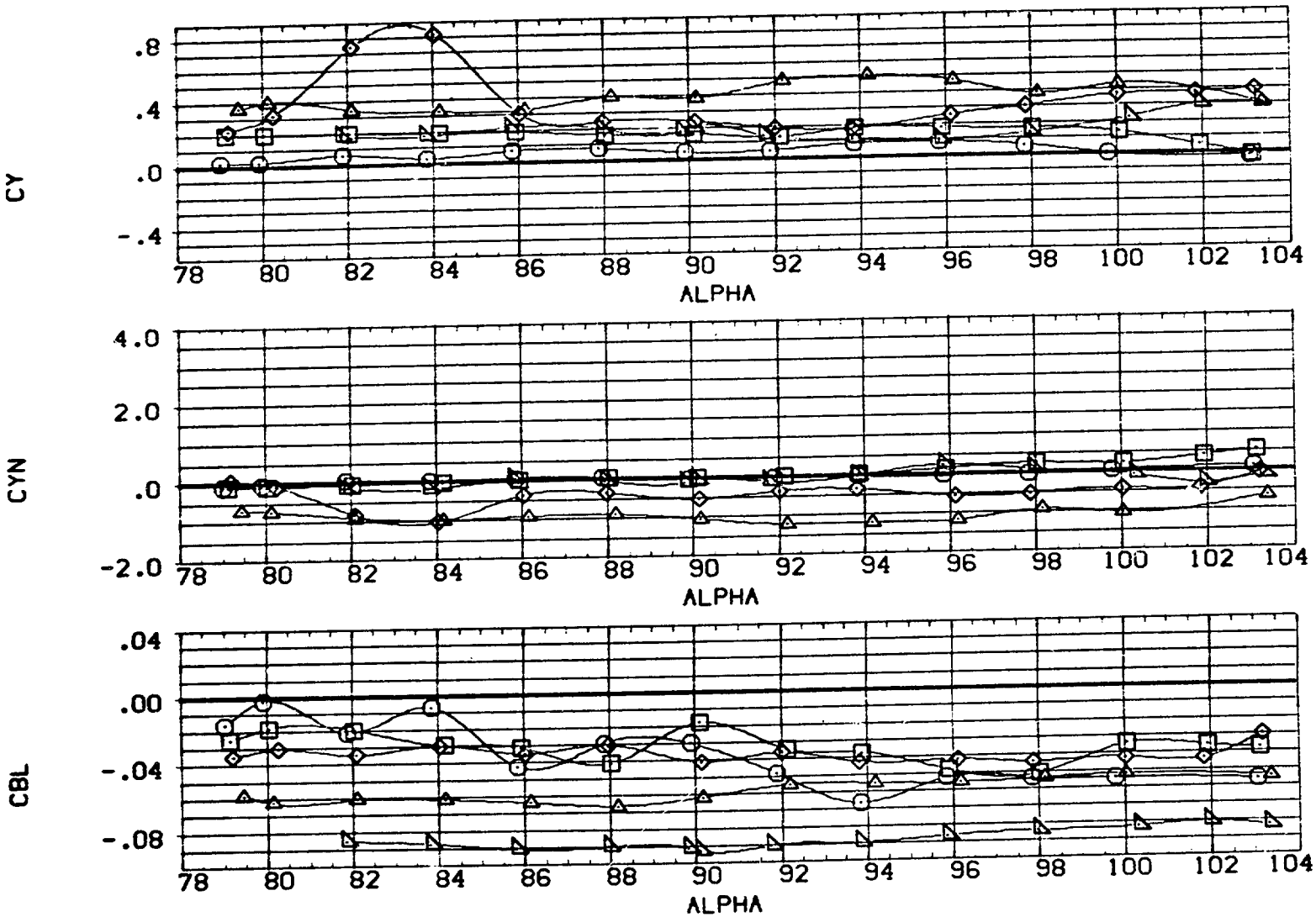
(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BPS001)		LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)
(BPS003)		LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)
(BPS004)		LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)
(BPS006)		LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)
(BPS008)		LARC 8TPT-65S(SA-2FA) SRB (NOSE UP)

PHI	RN/L	ATTRNC
.000	.600	1.000
.000	1.200	1.000
.000	2.000	1.000
.000	3.600	1.000
.000	5.100	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

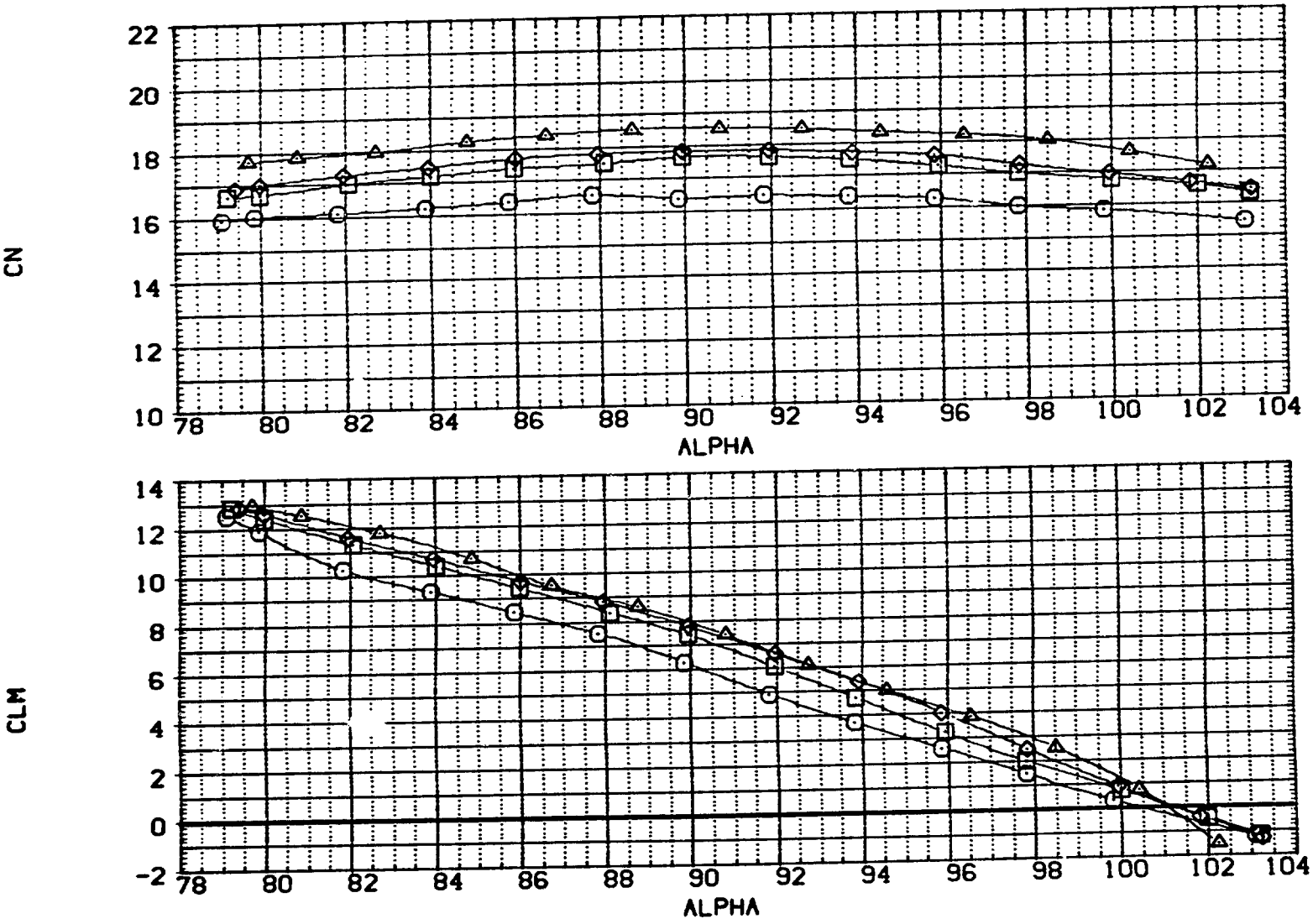


EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
[illegible]		LARC BTPT-[illegible]A-2FA) SRB (NOSE UP)	.000	.600	1.000
[illegible]	□	LARC BTPT-[illegible]SA-2FA) SRB (NOSE UP)	.000	1.200	1.000
[illegible]	⊠	LARC BTPT-[illegible]SA-2FA) SRB (NOSE UP)	.000	2.000	1.000
[illegible]	△	LARC BTPT-655[illegible]SA-2FA) SRB (NOSE UP)	.000	5.500	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



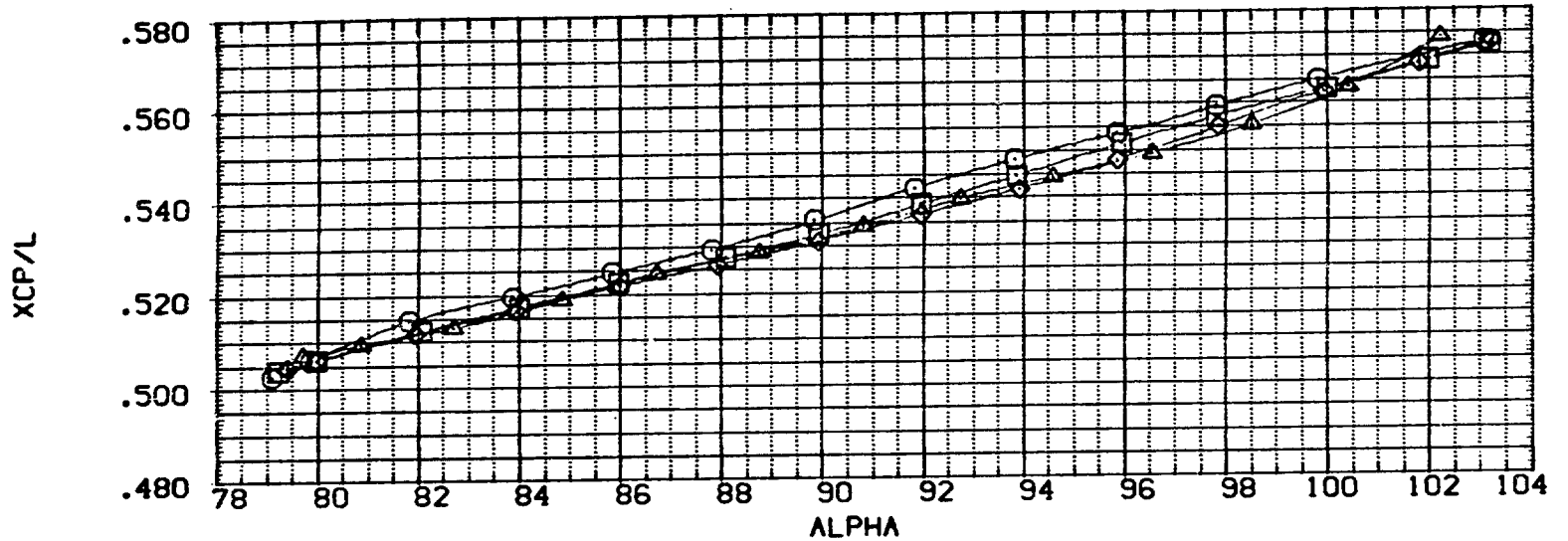
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

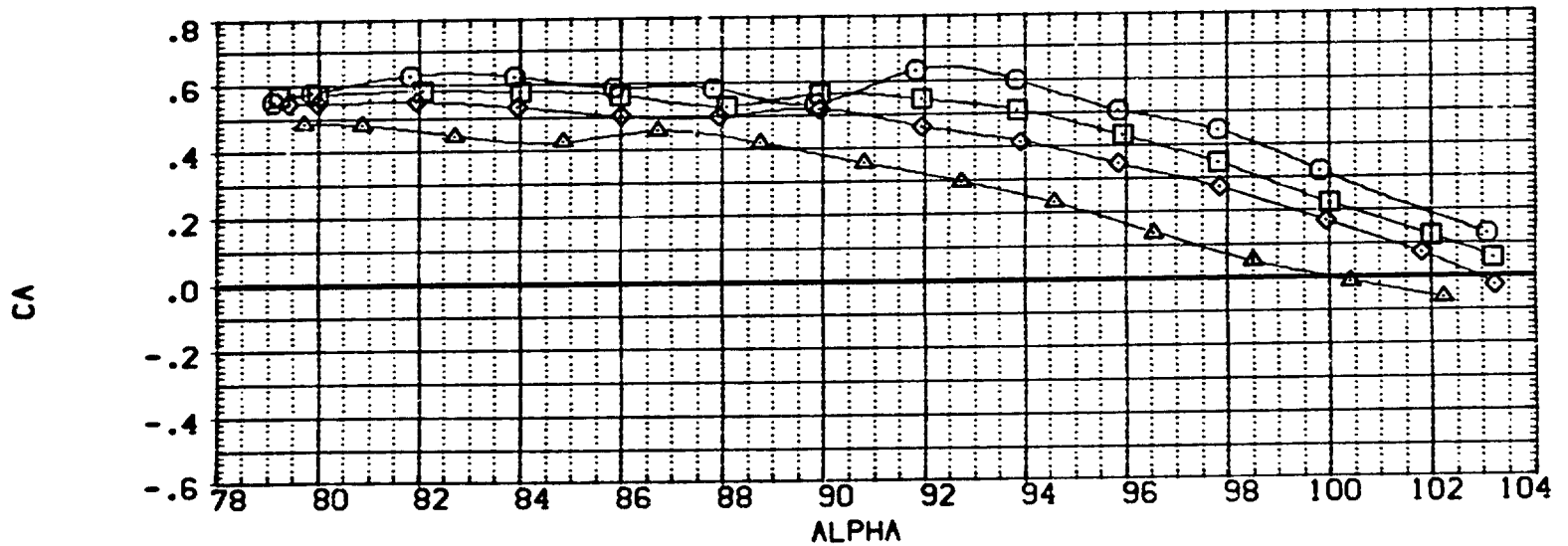
(A)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
(BP2001)	○	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	.600	1.000
(BP2003)	□	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	1.200	1.000
(BP2004)	◇	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	2.000	1.000
(BP2009)	△	LARC 8TPT-655(SA-2FA) SRB (NOSE UP)	.000	5.500	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





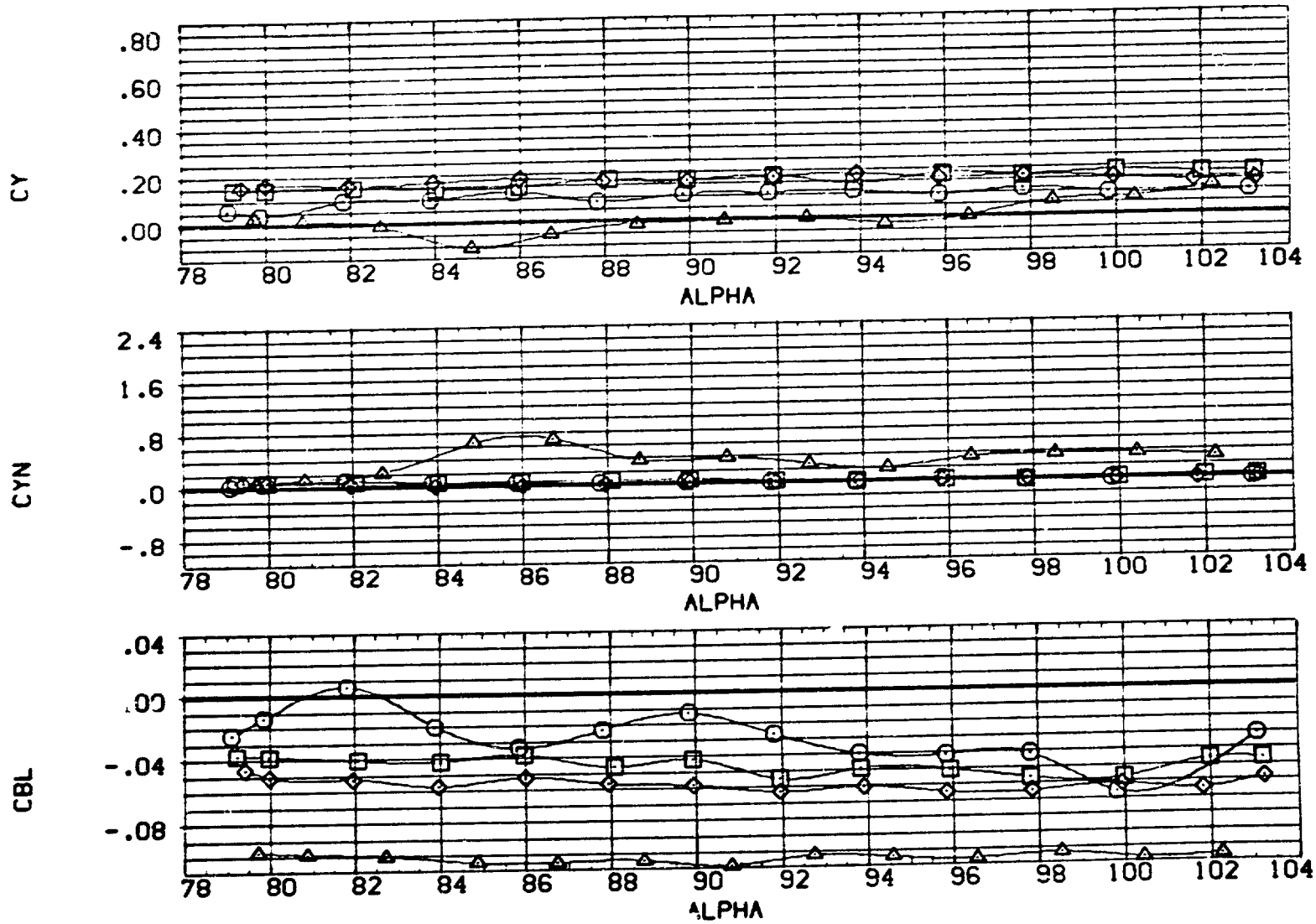
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

(A)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
BPSD[illegible]	○	LARC BTPT-655 (SA-2FA) SRB (NOSE UP)	.000	.600	1.000
BP[illegible] 3	□	LARC BTPT-655 (SA-2FA) SRB (NOSE UP)	.000	1.200	1.000
BPSD 4	◇	LARC BTPT-655 (SA-2FA) SRB (NOSE UP)	.000	2.000	1.000
BPSD[illegible]	△	LARC BTPT-655 (SA-2FA) SRB (NOSE UP)	.000	5.500	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



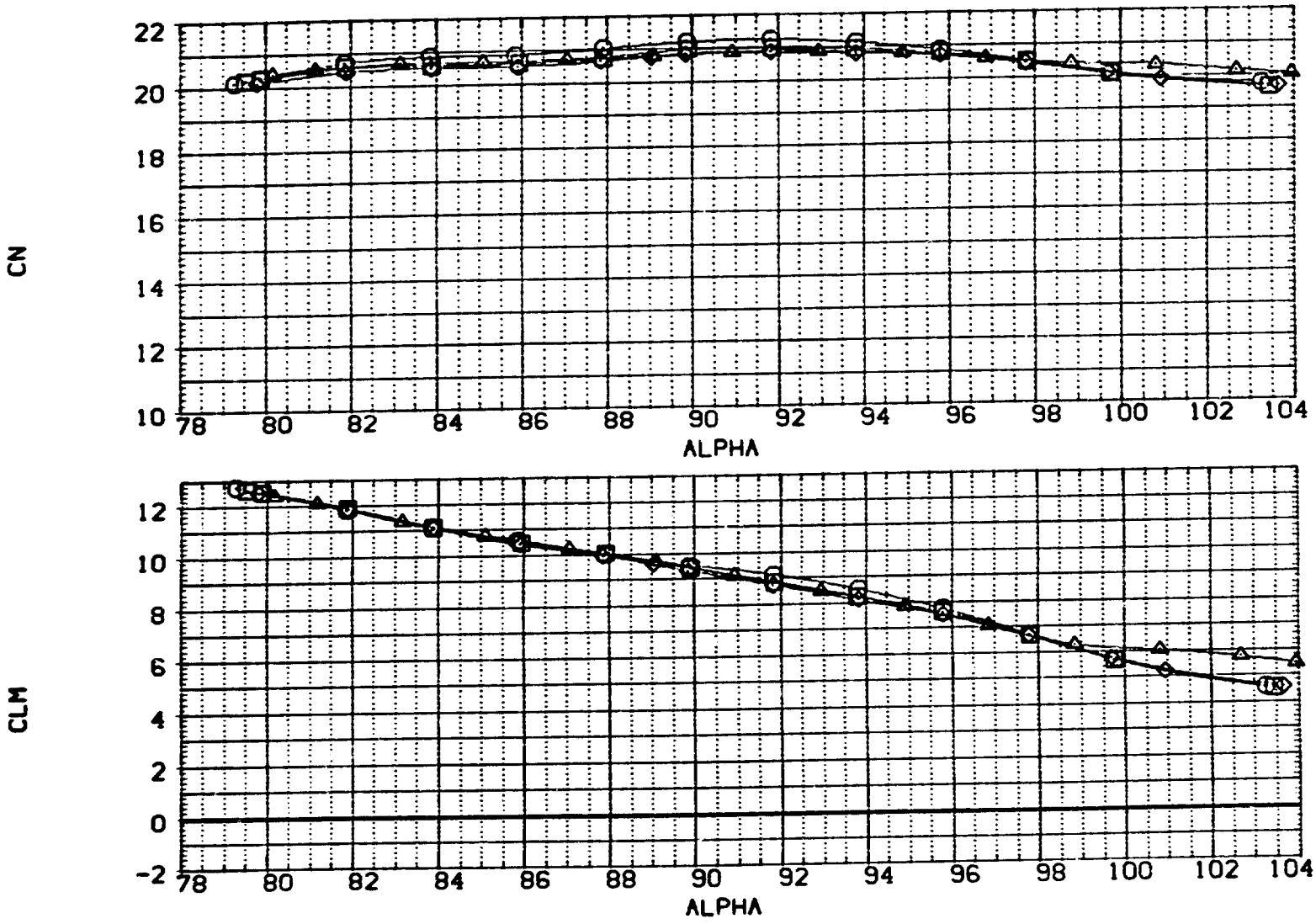
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNC
(BPS002)	LARC BTPT-65S(SA-2FA) SRB (NOSE UP)	.000	1.000	1.000
(BPS004)	LARC BTPT-65S(SA-2FA) SRB (NOSE UP)	.000	2.000	1.000
(BPSALE)	LARC BTPT-65S(SA-2FA) SRB (NOSE UP)	.000	3.000	1.000
(BPS007)	LARC BTPT-65S(SA-2FA) SRB (NOSE UP)	.000	4.200	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



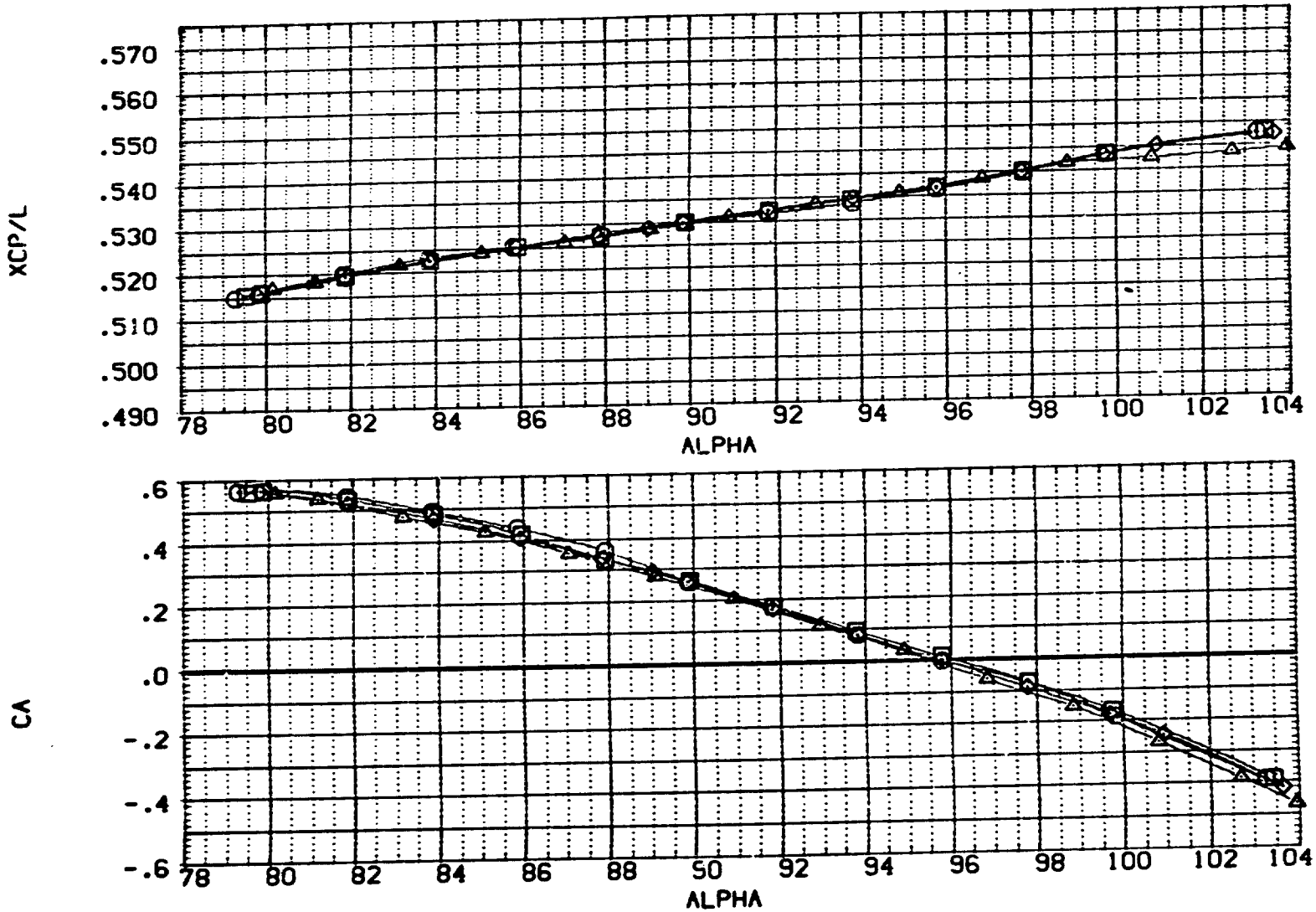
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

(A)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
BPS002	○	LARC 8TPT-655 (SA-2FA) SRB (NOSE UP)	.000	1.000	1.000
BPS004	□	LARC 8TPT-655 (SA-2FA) SRB (NOSE UP)	.000	2.000	1.000
BPS005	◇	LARC 8TPT-655 (SA-2FA) SRB (NOSE UP)	.000	3.000	1.000
BPS007	△	LARC 8TPT-655 (SA-2FA) SRB (NOSE UP)	.000	4.200	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



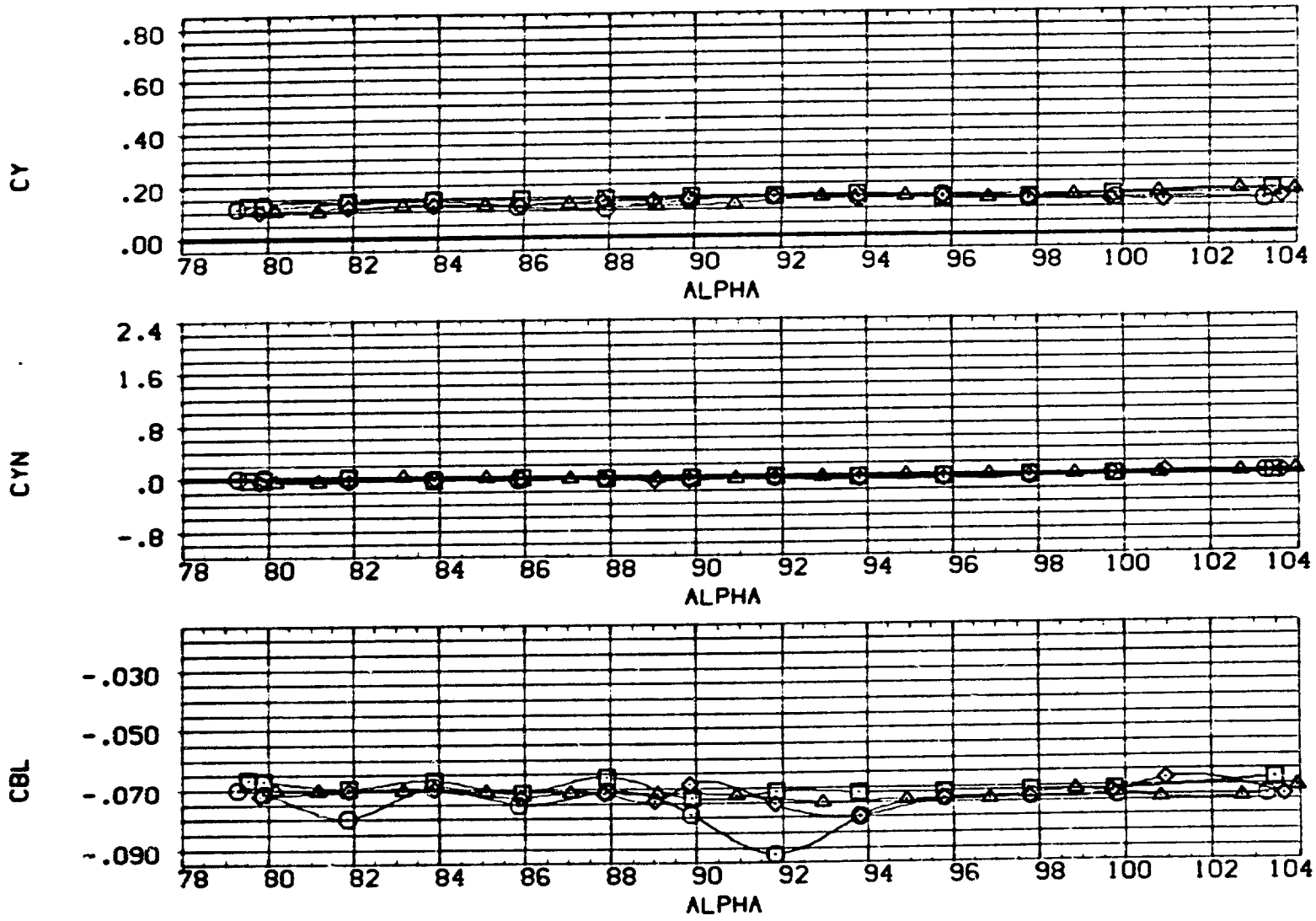
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

(A)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
[illegible]		LARC BTPT-6[illegible](SA-2FA) SRB (NOSE UP)	.000	1.000	1.000
[illegible]	□	LARC BTPT-6[illegible](SA-2FA) SRB (NOSE UP)	.000	2.000	1.000
[illegible]	◇	LARC BTPT-6[illegible](SA-2FA) SRB (NOSE UP)	.000	3.000	1.000
[illegible]	△	LARC BTPT-6[illegible](SA-2FA) SRB (NOSE UP)	.000	4.200	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



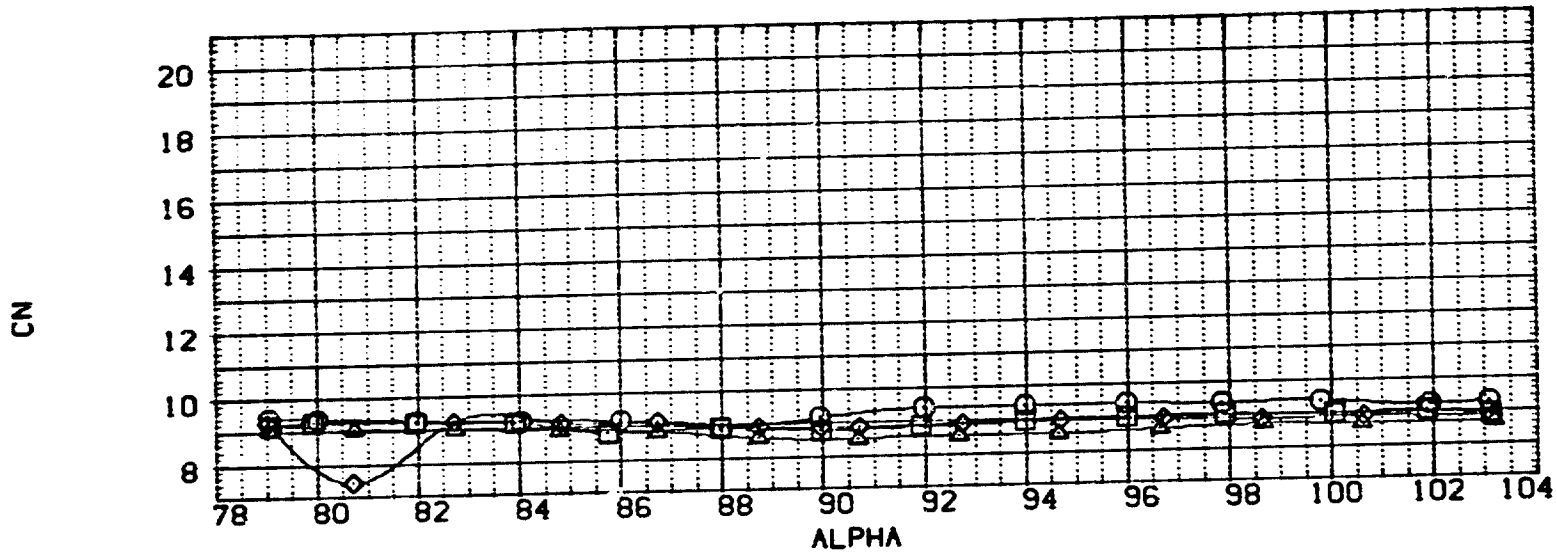
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. W/O TRIP STRIPS

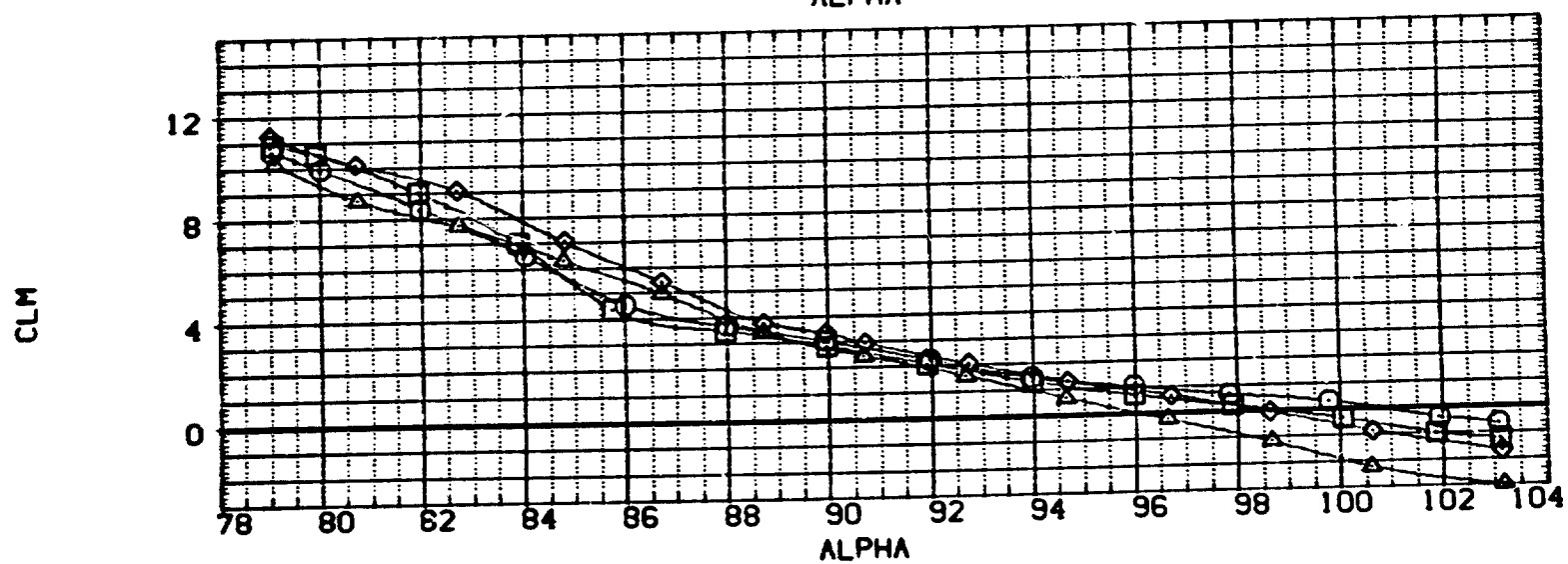
(A)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
[illegible]	○	LARC 8TPT-655 SA-2FA SRB W/NO.56 TRIPS(NOSE UP)	.000	.600	1.000
[illegible]	□	LARC 8TPT-655 SA-2FA SRB W/NO.56 TRIPS(NOSE UP)	.000	1.200	1.000
[illegible]	◇	LARC 8TPT-655 SA-2FA SRB W/NO.56 TRIPS(NOSE UP)	.000	2.000	1.000
[illegible]	△	LARC 8TPT-655 SA-2FA SRB W/NO.56 TRIPS(NOSE UP)	.000	3.600	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





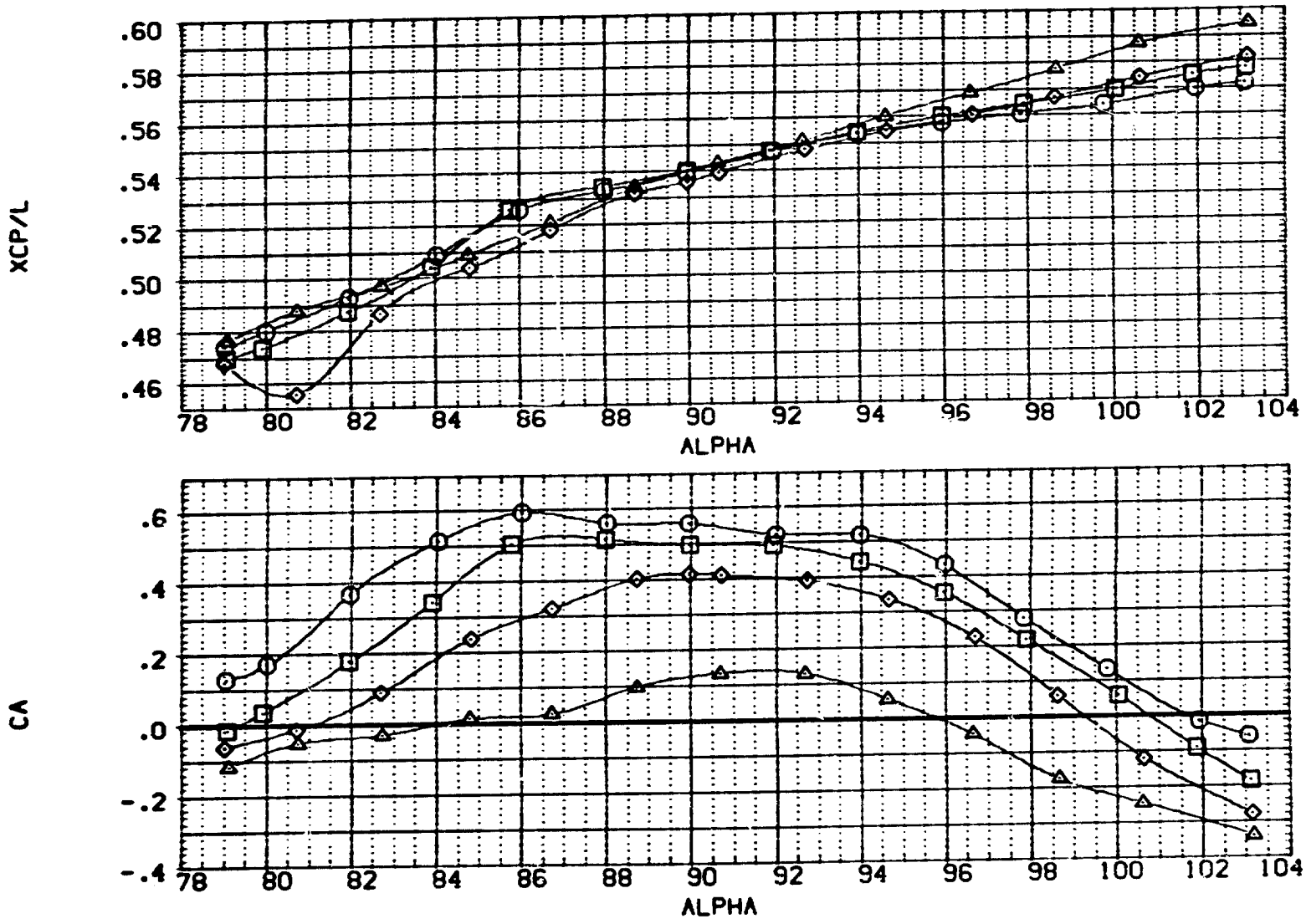
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
[illegible]	◇	LARC 8TPT-6SS(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	.600	1.000
[illegible]	□	LARC 8TPT-6SS(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	1.200	1.000
[illegible]	△	LARC 8TPT-6SS(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	2.000	1.000
[illegible]	⊠	LARC 8TPT-6SS(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	3.600	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8740	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

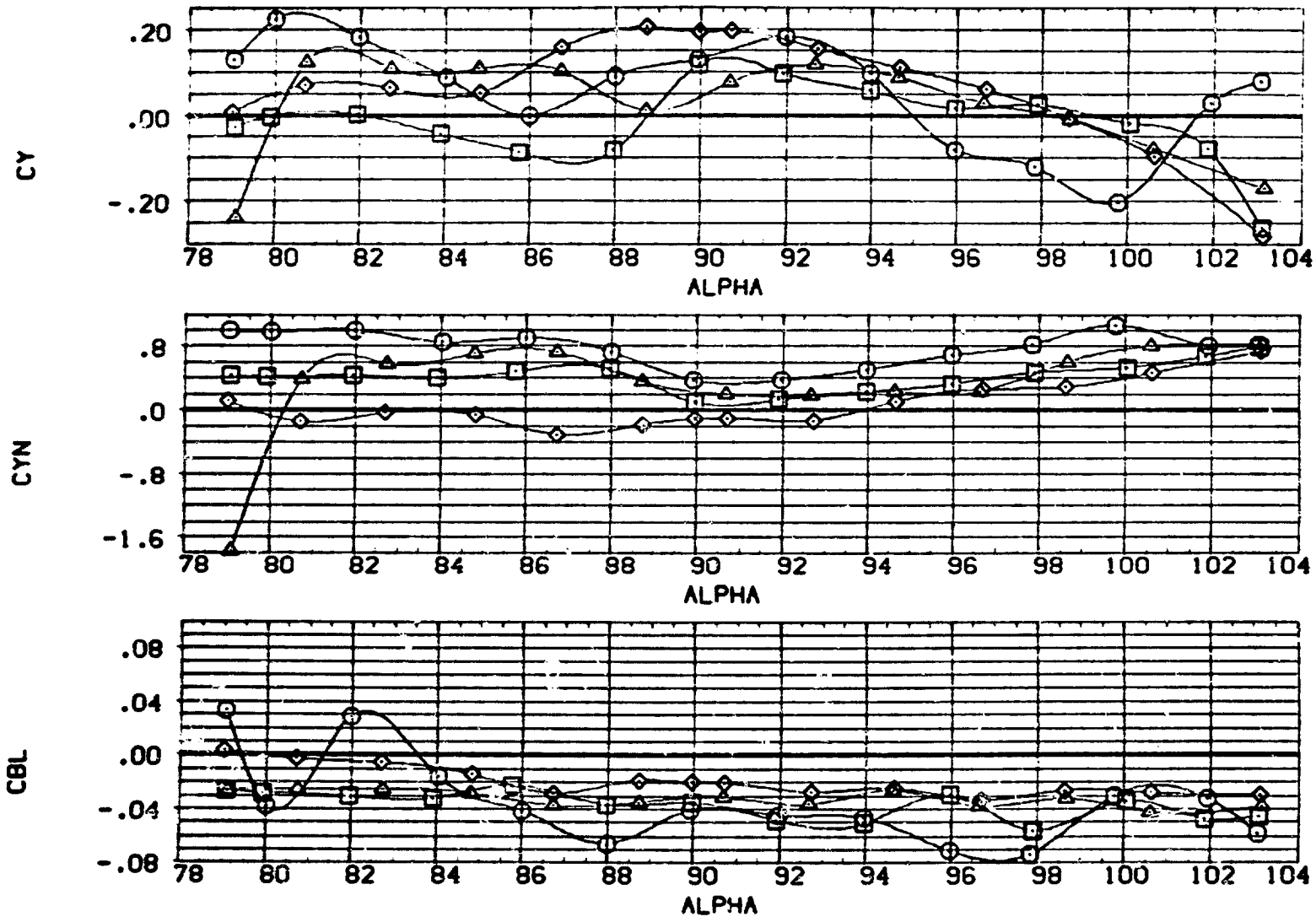


EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNC
[illegible]		LARC SIPT [illegible] SA-2FA SRB W/NO.56 TRIPS/NOSE UPI	.000	.600	1.000
[illegible]		LARC SIPT [illegible] SA-2FA SRB W/NO.56 TRIPS/NOSE UPI	.000	1.200	1.000
[illegible]	⊠	LARC SIPT [illegible] SA-2FA SRB W/NO.56 TRIPS/NOSE UPI	.000	2.000	1.000
[illegible]		LARC SIPT [illegible] SA-2FA SRB W/NO.56 TRIPS/NOSE UPI	.000	3.600	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

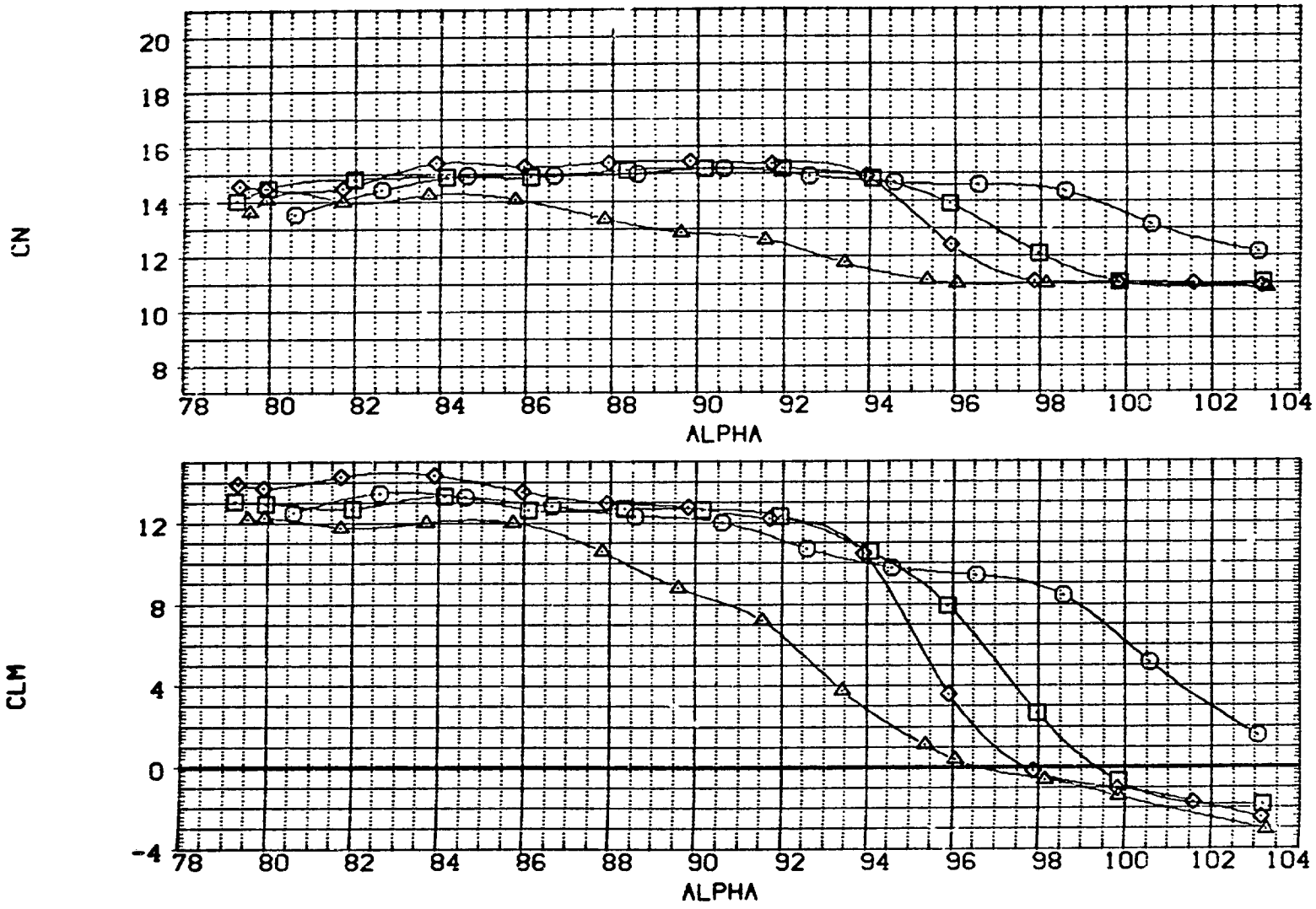


EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

(A)MACH = .40

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
(BPSC10)	LARC 8TPT-65S(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	.600	1.000
(BPSC12)	LARC 8TPT-65S(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	1.200	1.000
(BPSC13)	LARC 8TPT-65S(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	2.000	1.000
(BPSC17)	LARC 8TPT-65S(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	5.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



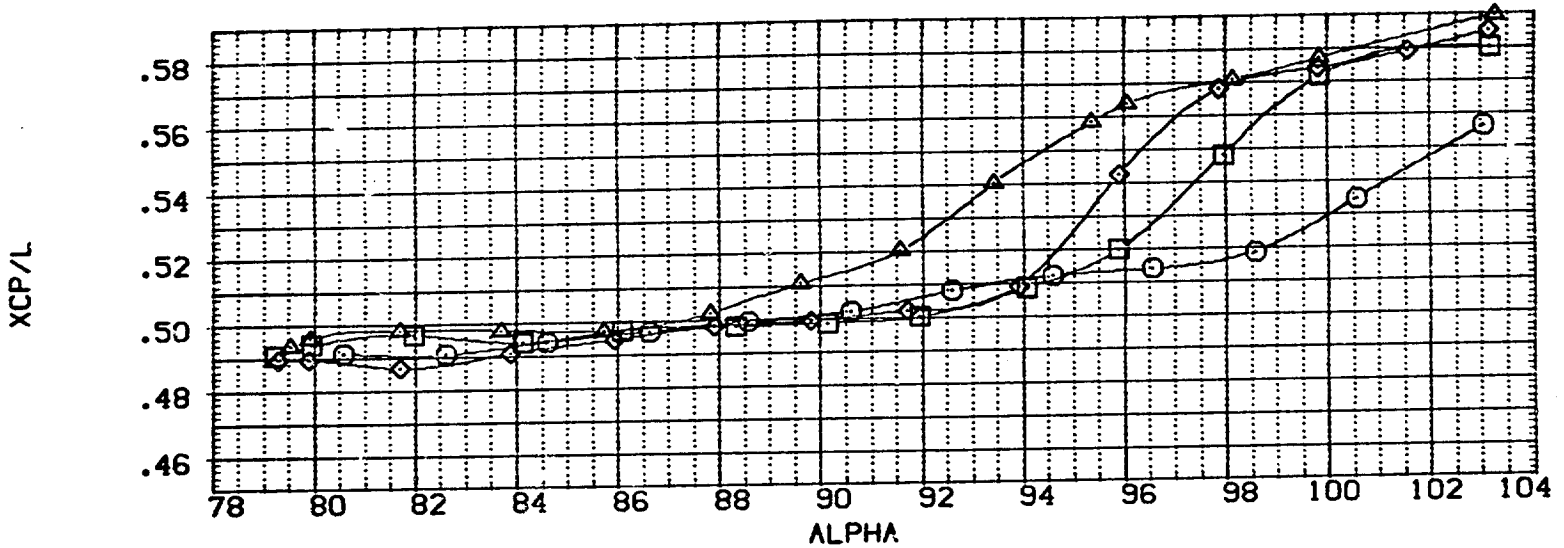
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

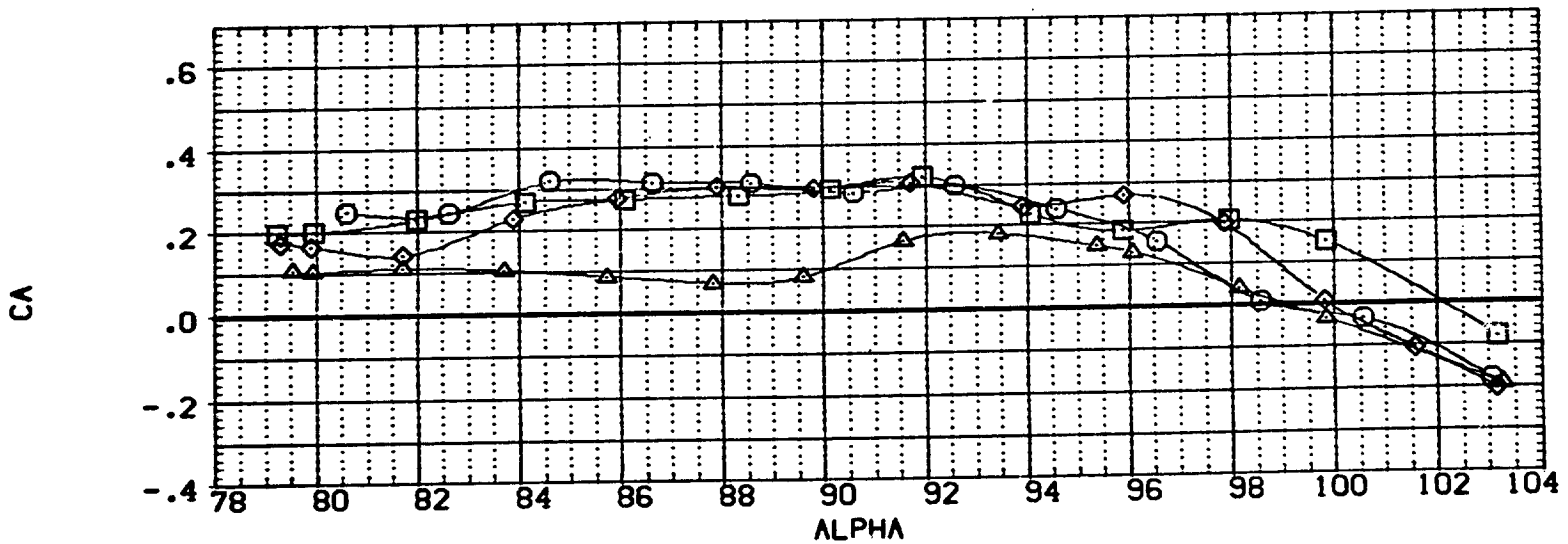
(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNC
6PS010	△	LARC 8TPT-655 SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	.600	1.000
6PS012	□	LARC 8TPT-655 SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	1.200	1.000
6PS013	◇	LARC 8TPT-655 SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	2.000	1.000
6PS017	⊠	LARC 8TPT-655 SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	5.100	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



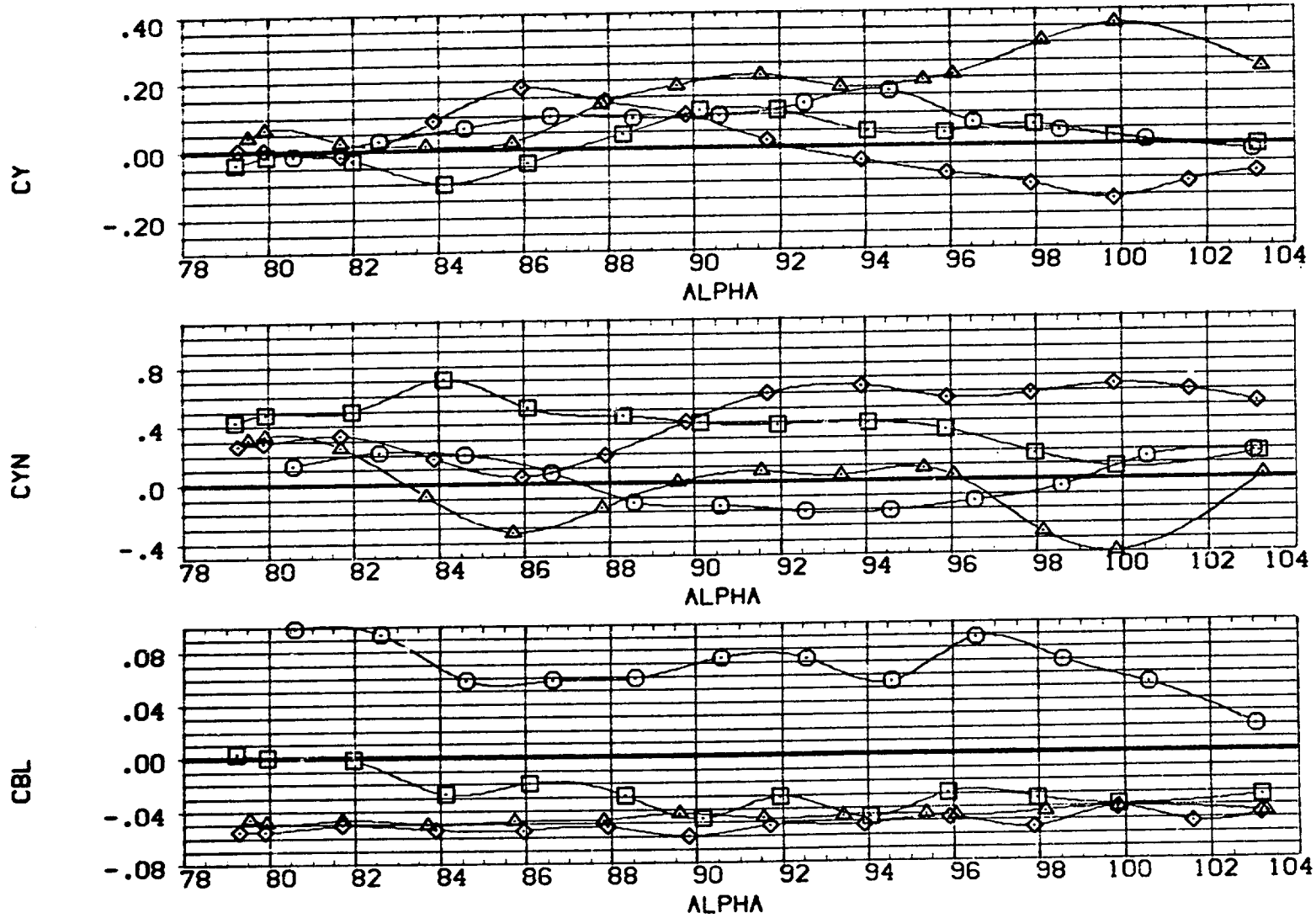


EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
(BPS010)		LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	.600	1.000
(BPS012)	□	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	1.200	1.000
(BPS013)	⊠	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	2.000	1.000
(BPS017)	△	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	5.100	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



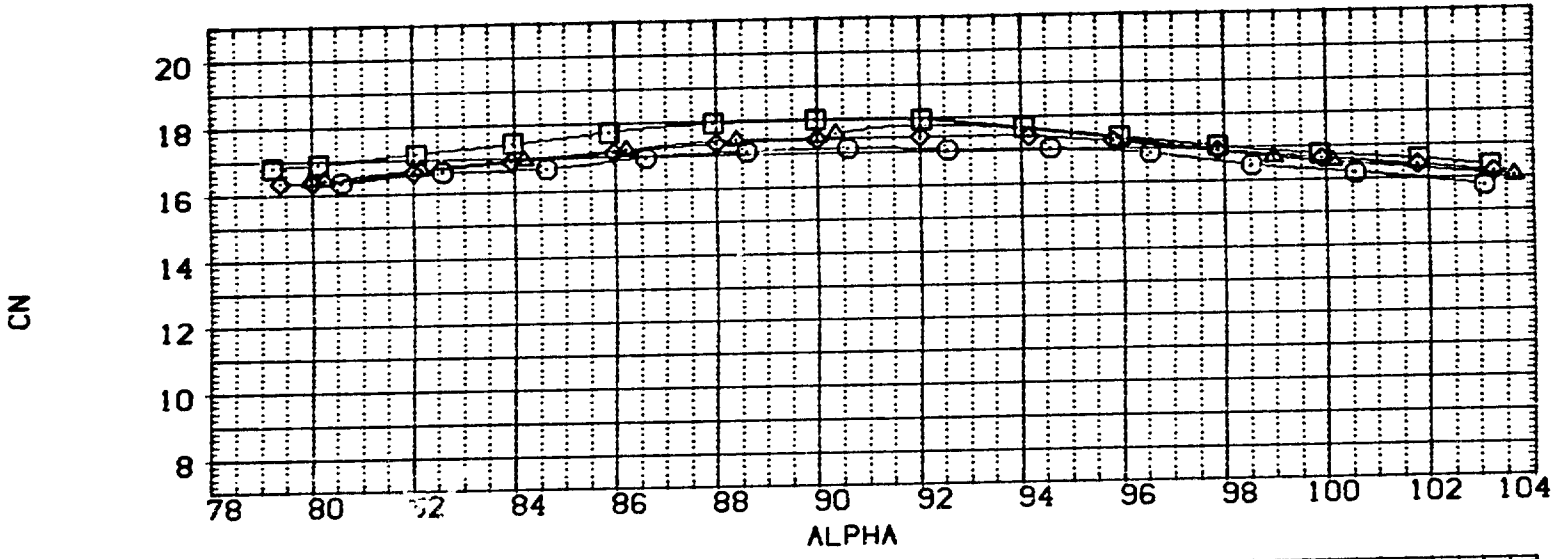
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

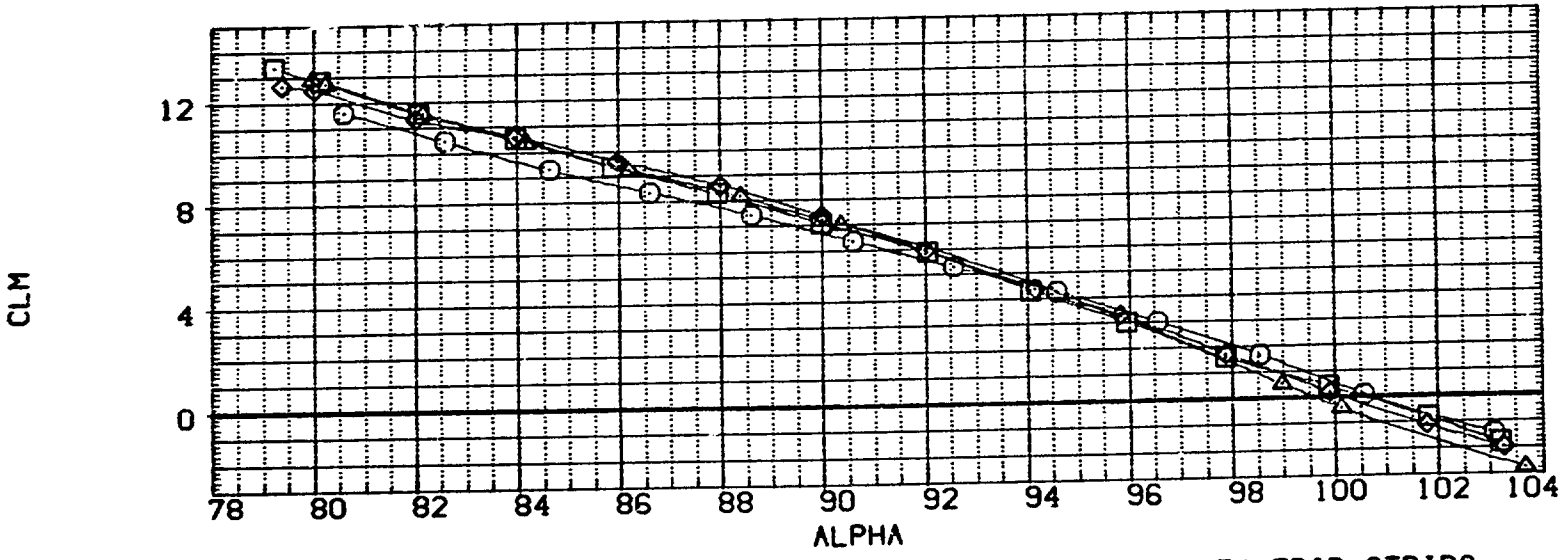
(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNC
(BPS010)	□	LARC 8TPT-65S(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	.600	1.000
(BPS012)	◇	LARC 8TPT-65S(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	1.200	1.000
(BPS013)	⊠	LARC 8TPT-65S(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	2.000	1.000
(BPS018)	△	LARC 8.PT-65S(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	5.500	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



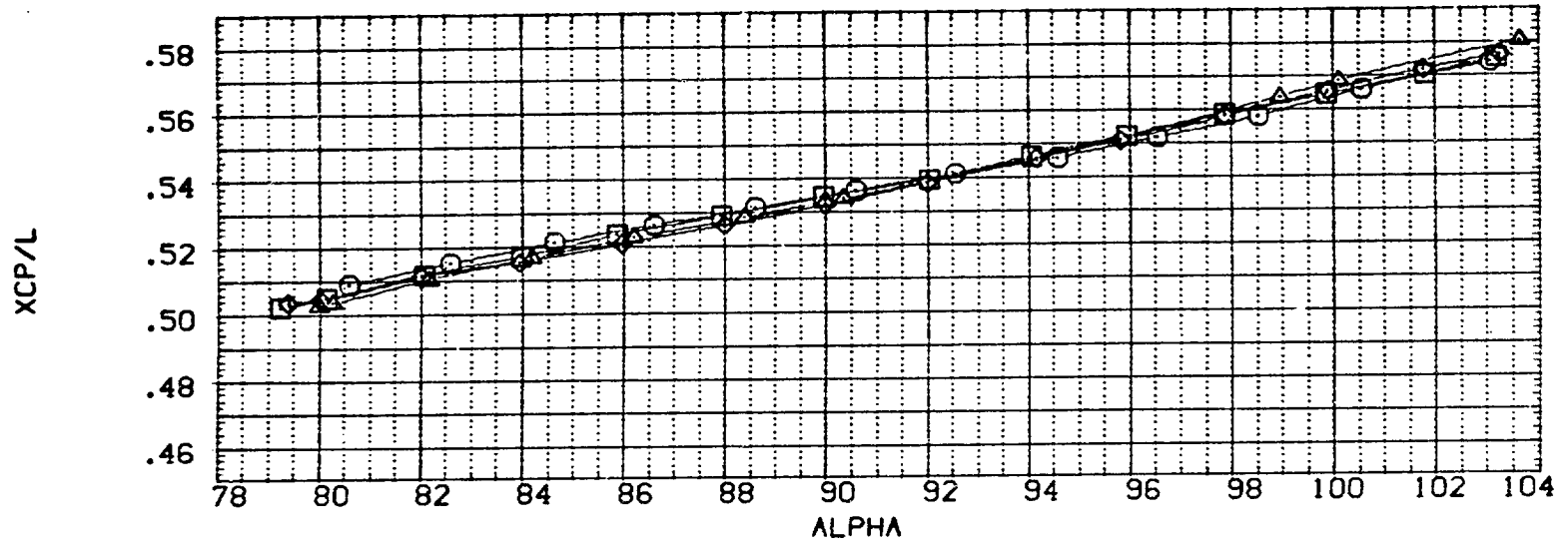


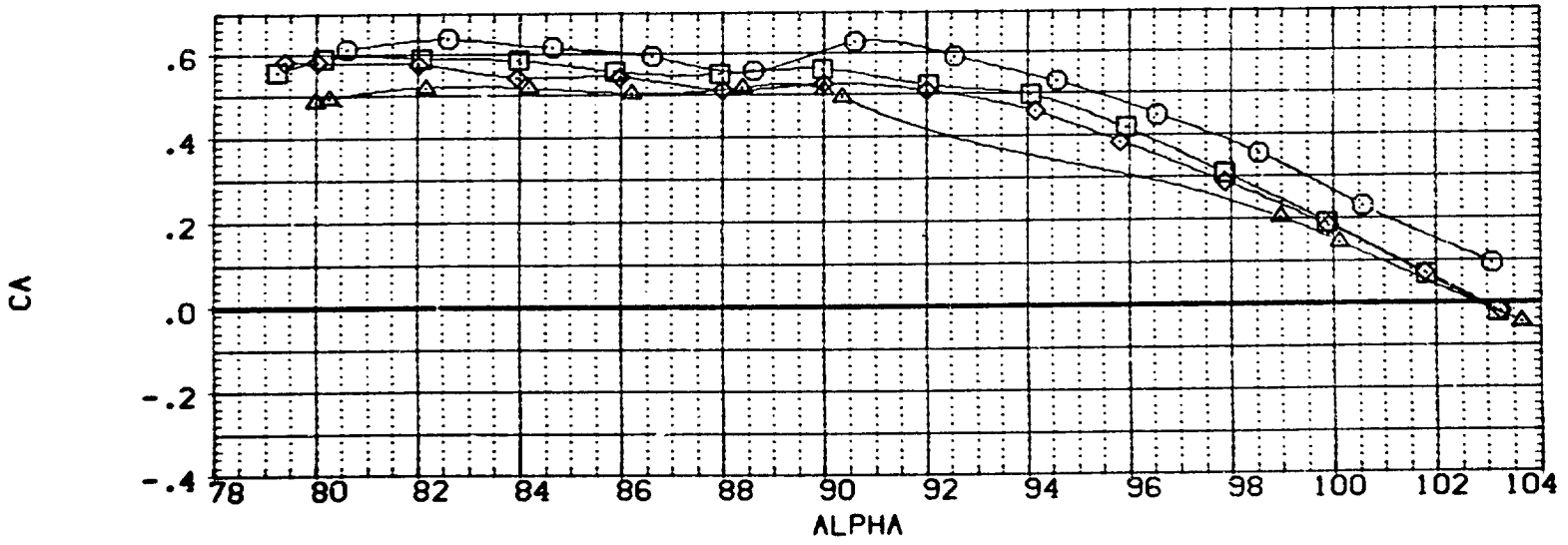
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

(A)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
BPSC10		LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	.600	1.000
BPSC12	□	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	1.200	1.000
BPSC13	⊠	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	2.000	1.000
BPSC18	△	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	5.500	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





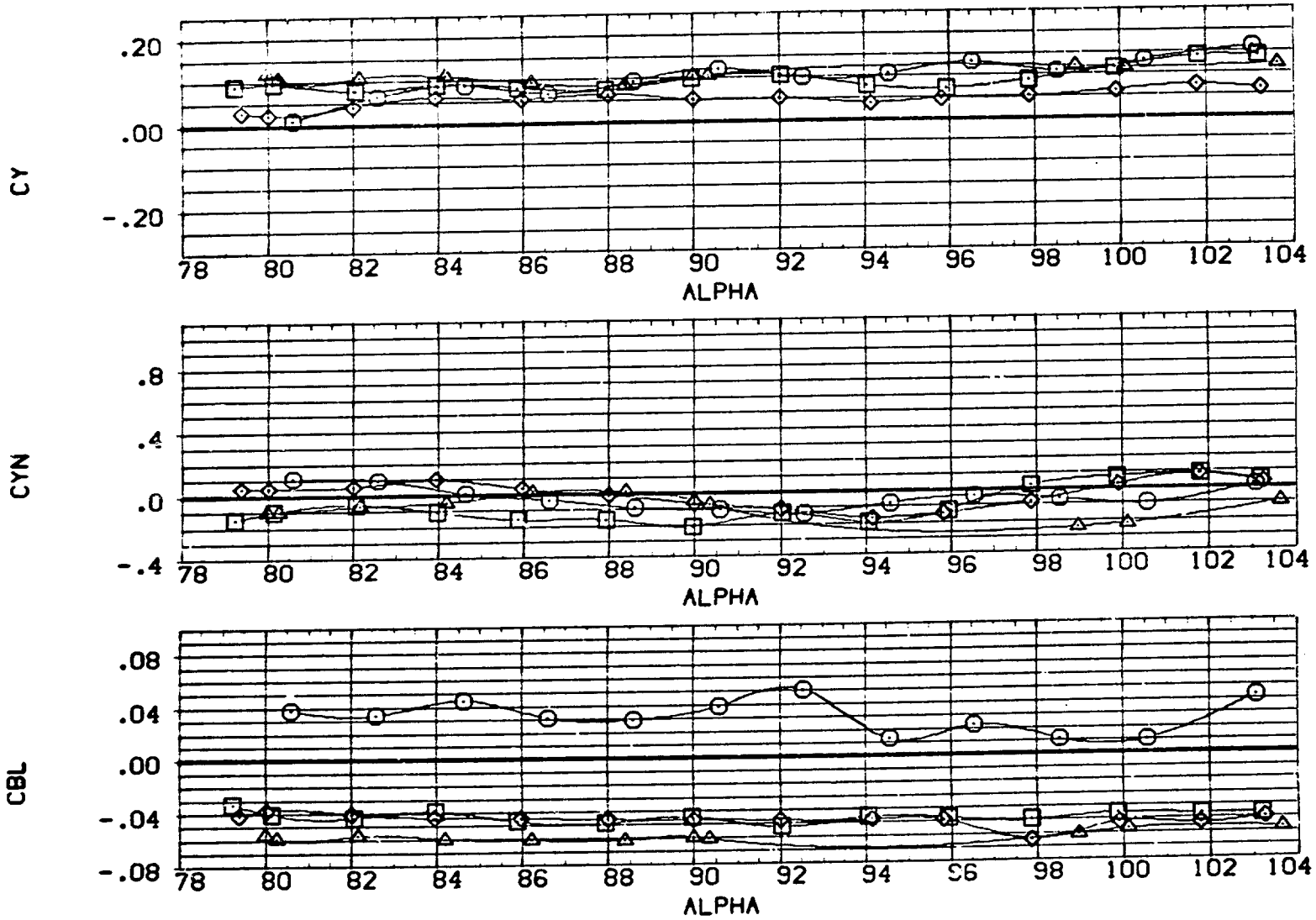
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

(A)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
(BPS010)	○	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	.600	1.000
(BPS012)	□	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	1.200	1.000
(BPS013)	◇	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	2.000	1.000
(BPS018)	△	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	5.500	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



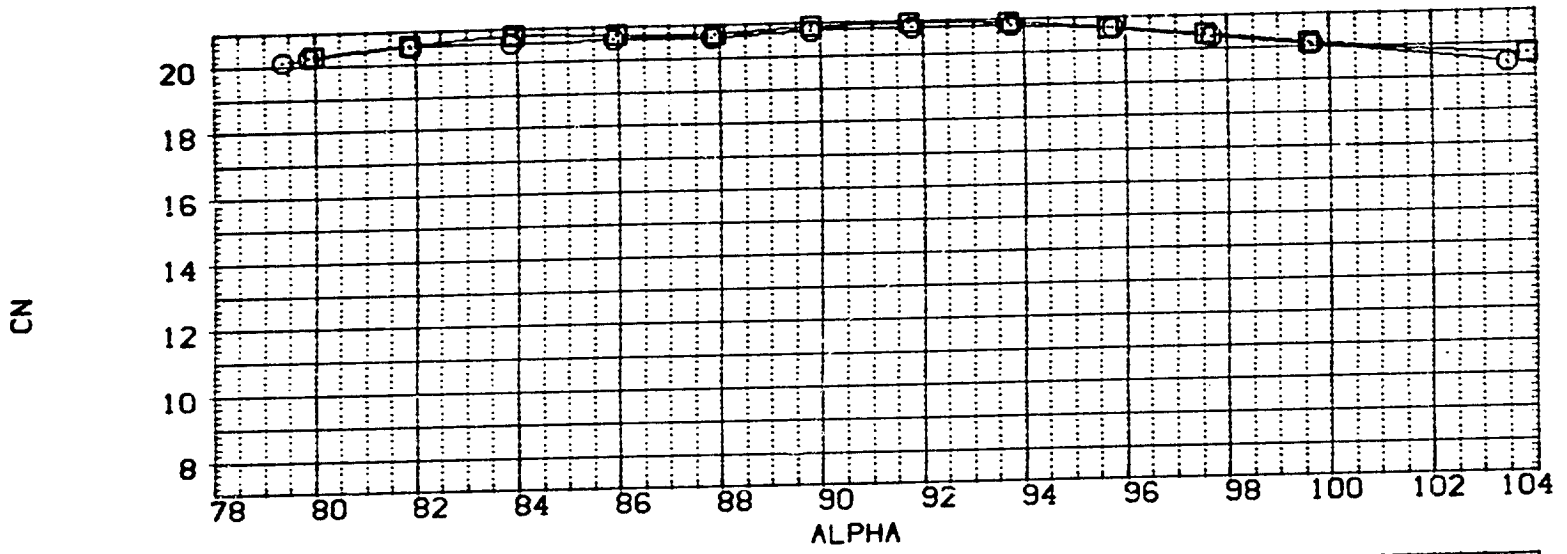
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

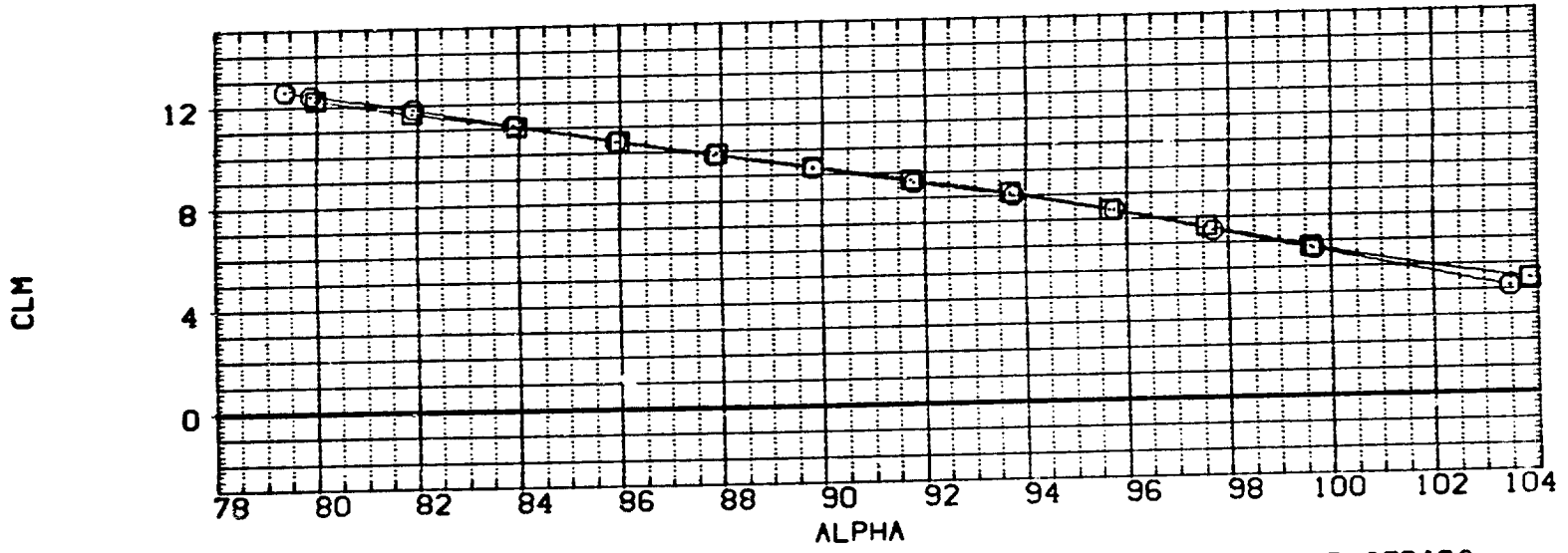
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNC
BPSC13	LARC 8TPT-65SISA-2FA1 SRB W/NO.56 TRIPSINOSE UP	.000	2.000	1.000
BPSC10	LARC 8TPT-65SISA-2FA1 SRB W/NO.56 TRIPSINOSE UP	.000	4.200	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





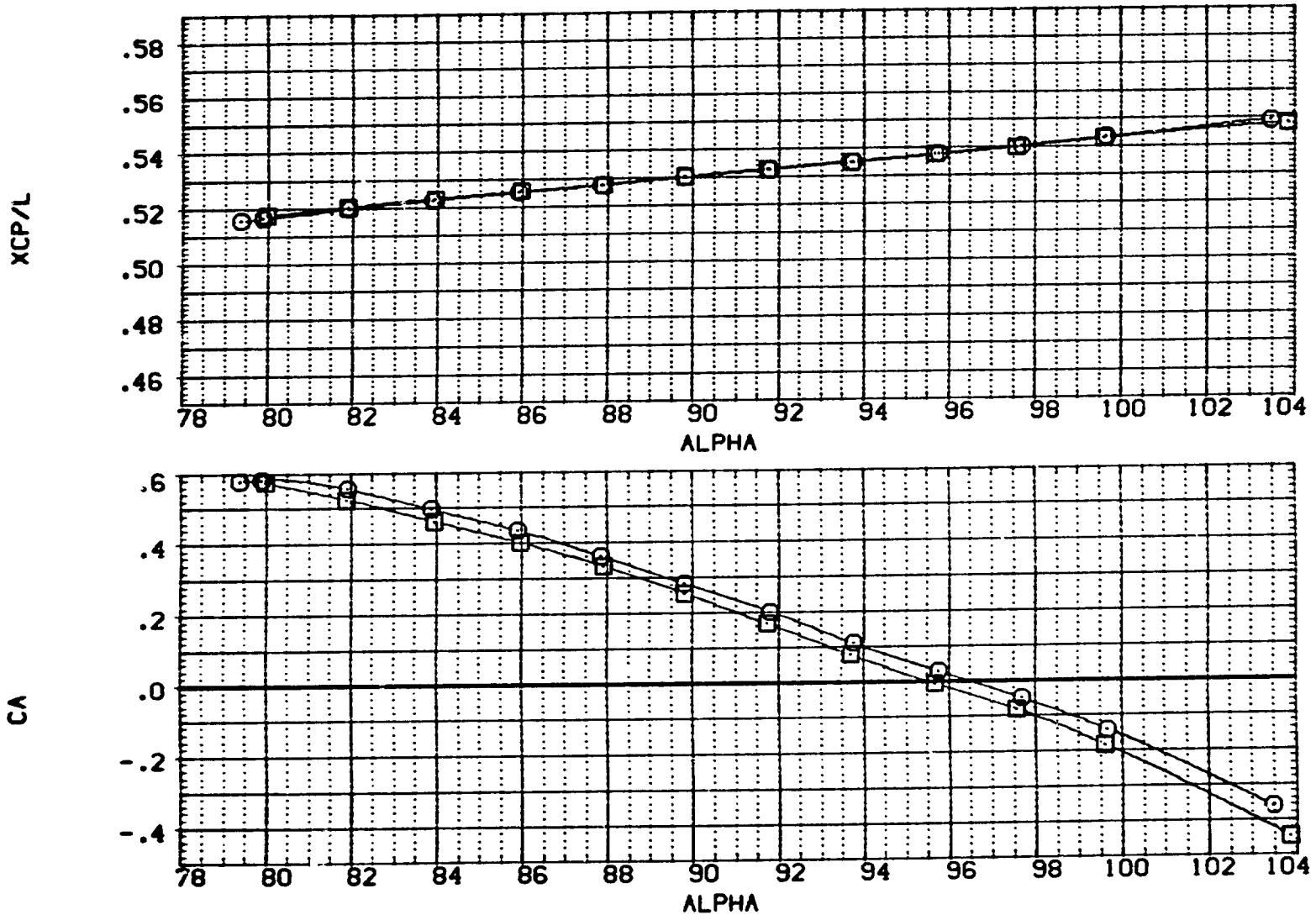
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
(BPS013)	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	2.000	1.000
(BPS016)	LARC 8TPT-655(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	4.200	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



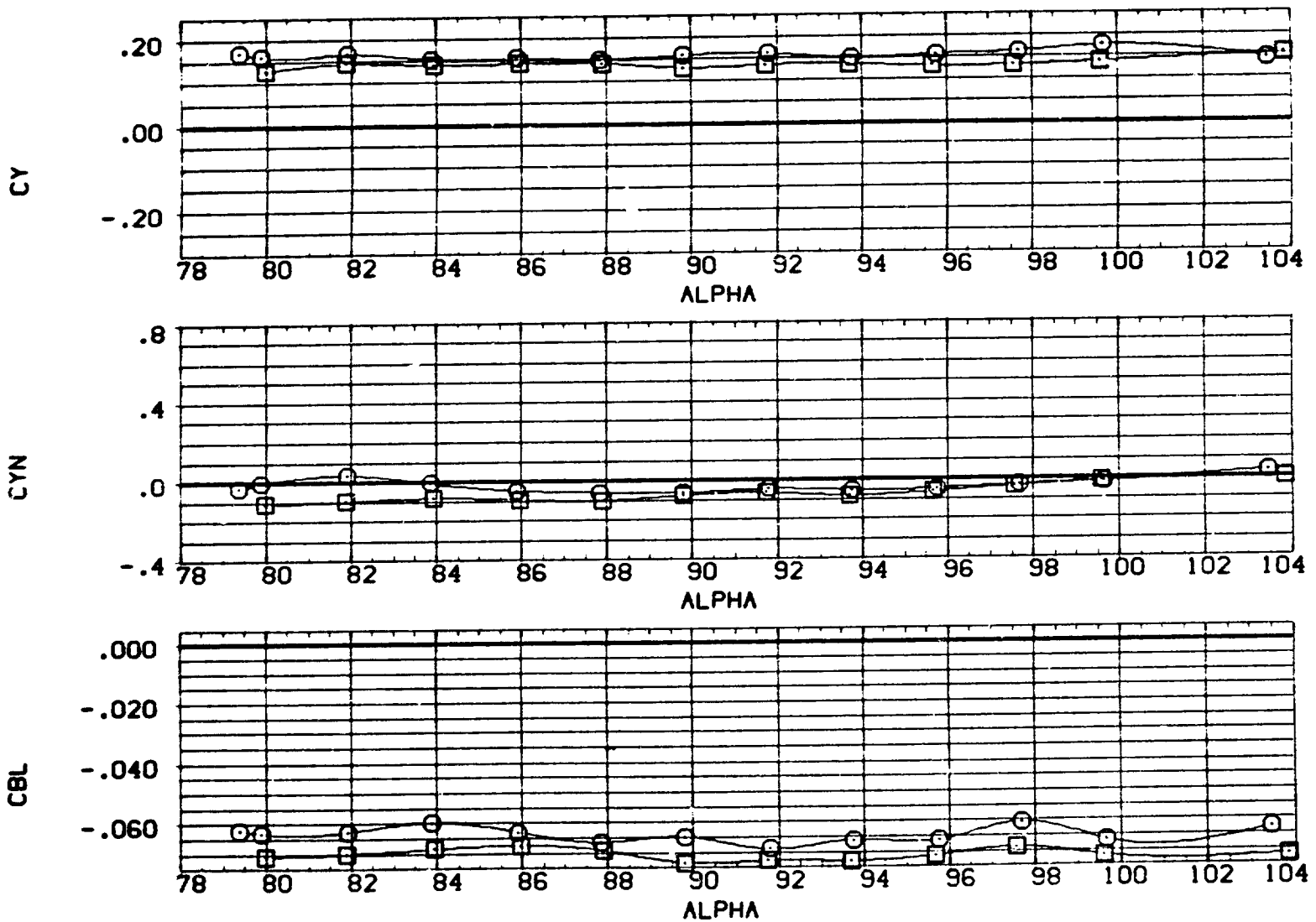
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	RN/L	ATTRNG
BPSC13	LARC 8TPT-65S(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	2.000	1.000
BPSC16	LARC 8TPT-65S(SA-2FA) SRB W/NO.56 TRIPS(NOSE UP)	.000	4.200	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



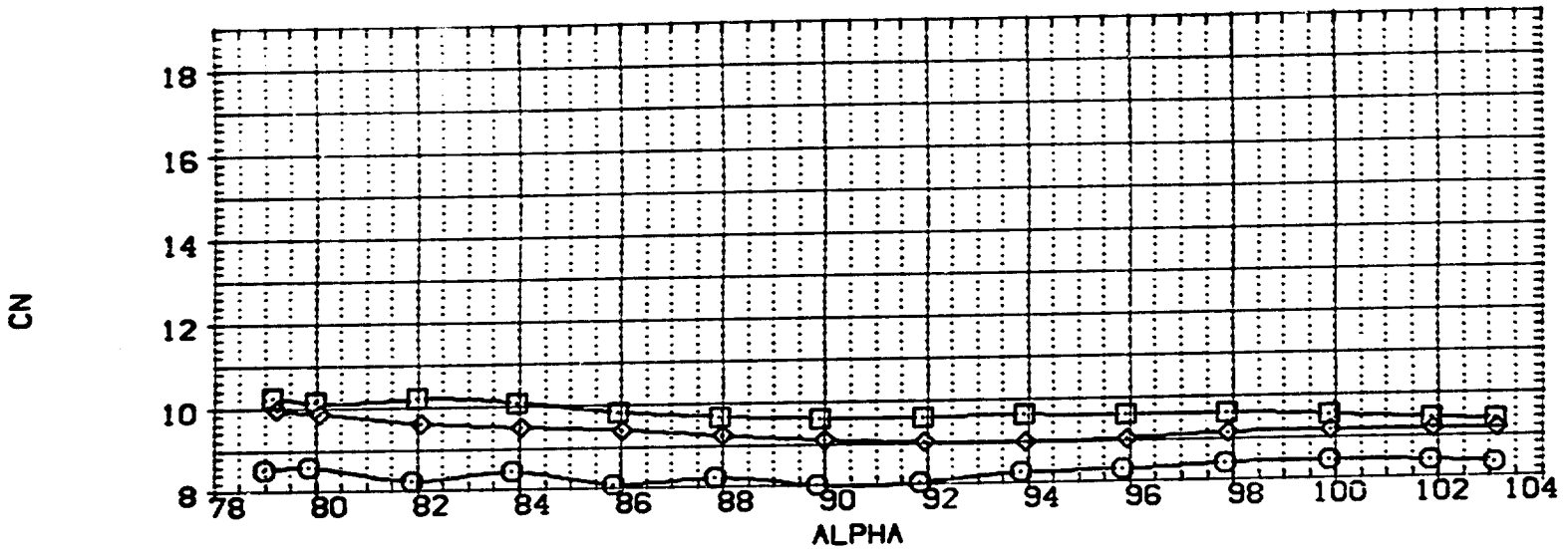
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 54 TRIP STRIPS

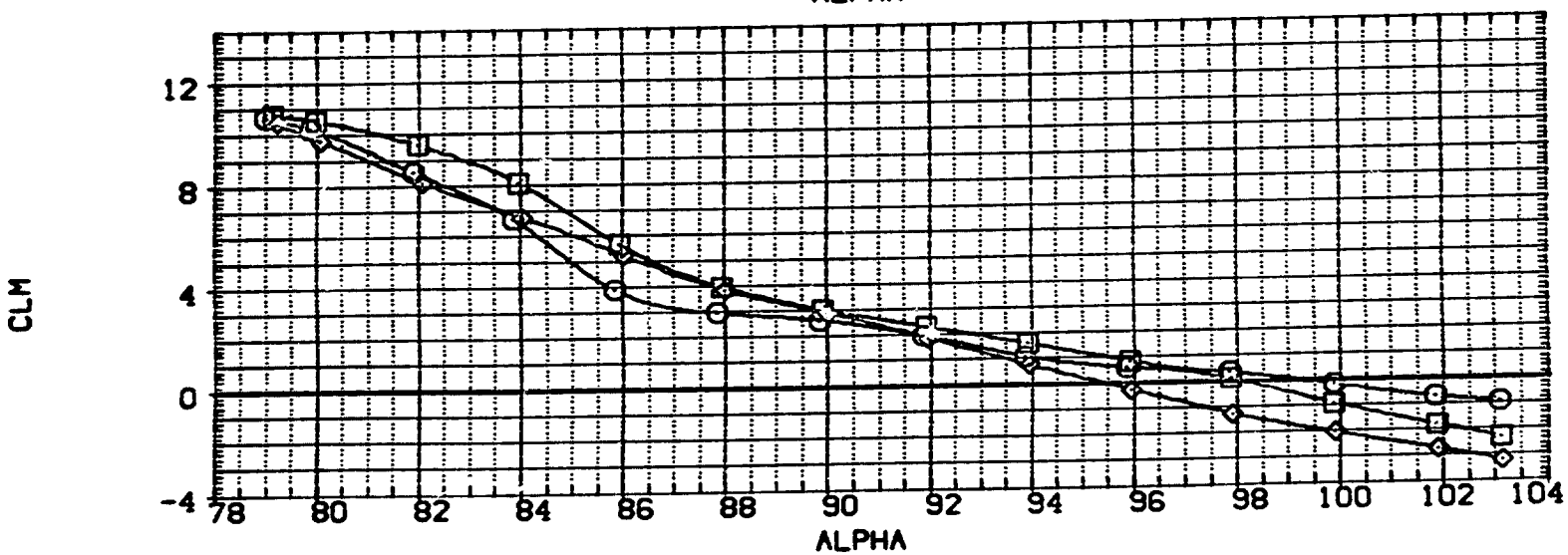
(A)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPSI10)		LARC F 662.SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	.600	.000	1.000
(BPSI11)		LARC B P1-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	2.000	.000	1.000
(BPSI12)		LARC BTF-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	3.600	.000	1.000
(BPSI13)		DATA NOT AVAILABLE	5.100	.000	1.000
(BPSI14)		DATA NOT AVAILABLE	5.500	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



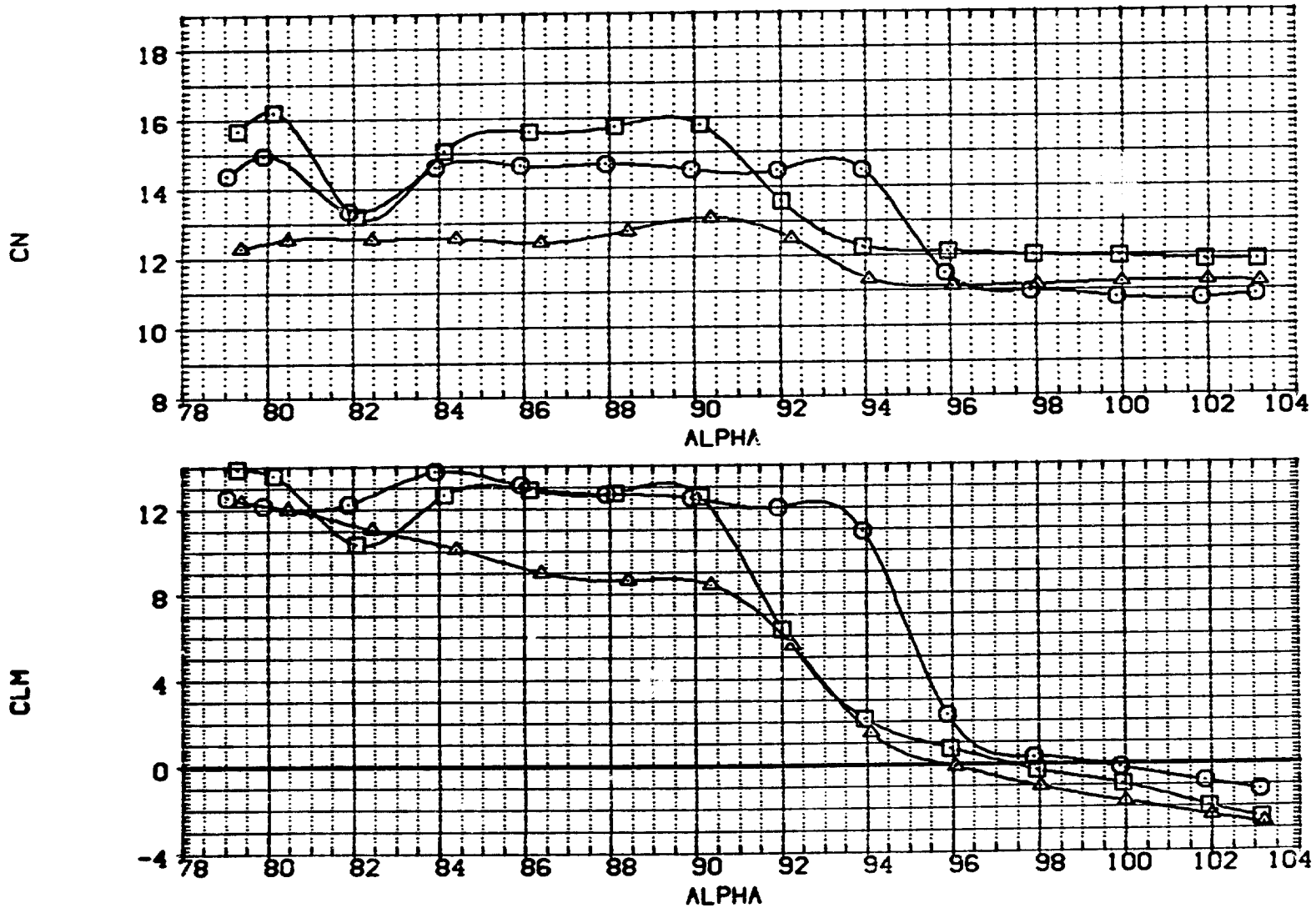


EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 40 TRIP STRIPS

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS110)	○	LARC 8TPT-662(SA-2FB) SRB V/NO.40 TRIPS(NOSE UP)	.600	.000	1.000
(BPS111)	□	LARC 8TPT-662(SA-2FB) SRB V/NO.40 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS112)	◇	DATA NOT AVAILABLE	3.600	.000	1.000
(BPS113)	△	LARC 8TPT-662(SA-2FB) SRB V/NO.40 TRIPS(NOSE UP)	5.100	.000	1.000
(BPS114)	▷	DATA NOT AVAILABLE	5.500	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



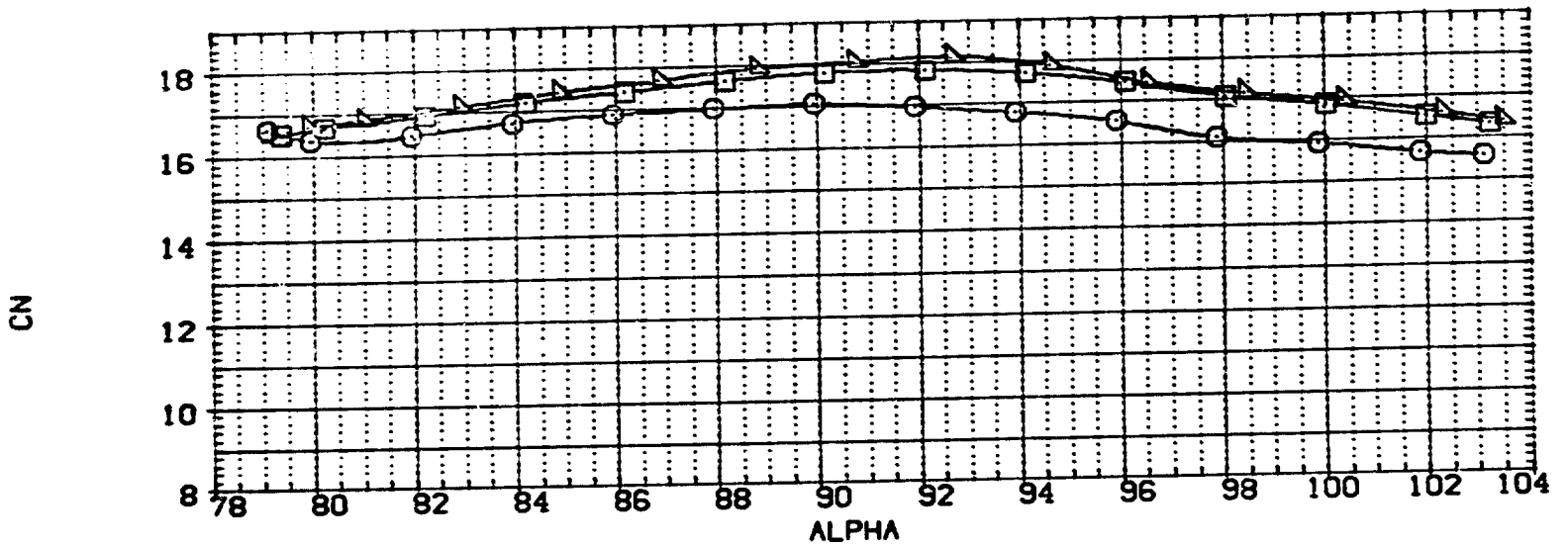
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 40 TRIP STRIPS

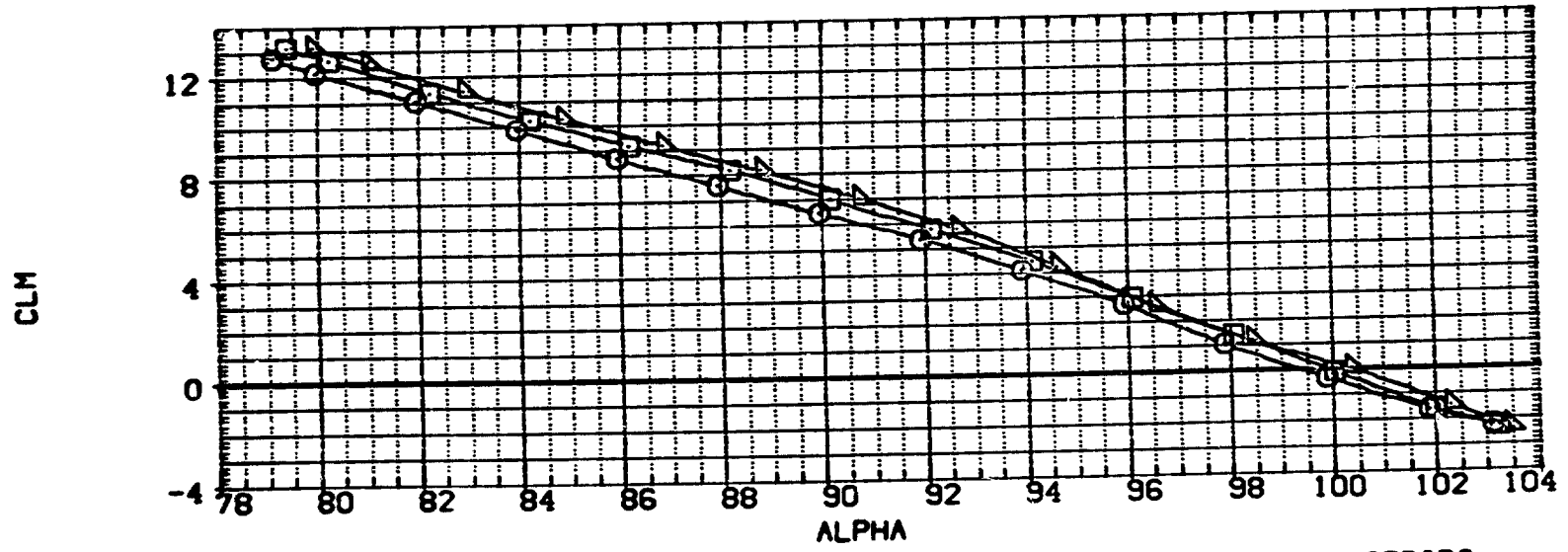
(B)MACH = .59

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RM/L	PHI	ATTRNG
(BPS110)	□	LARC [illegible]-662(SA-[illegible]B) SRB W/NO.40 TRIPS(NOSE UP)	.600	.000	1.000
(BPS111)	□	LARC [illegible]-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS112)	◇	DATA NOT AVAILABLE	3.600	.000	1.000
(BPS113)	◇	DATA NOT AVAILABLE	5.100	.000	1.000
(BPS114)	△	LARC 8PPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	5.500	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



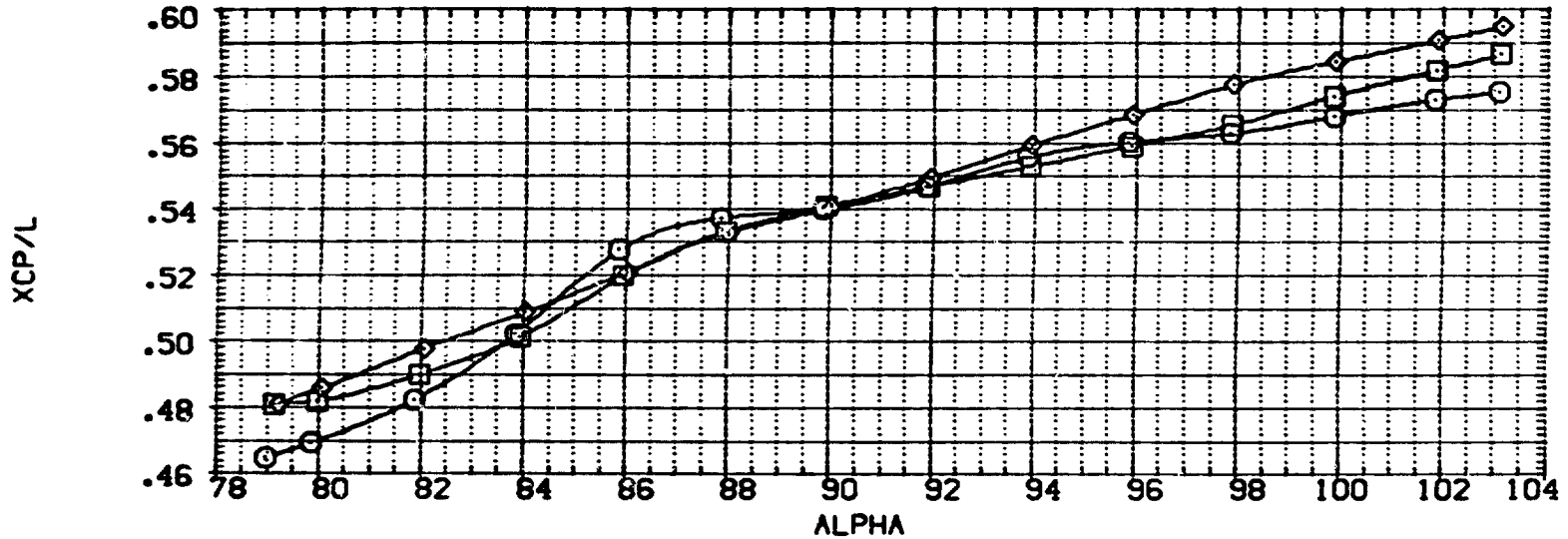


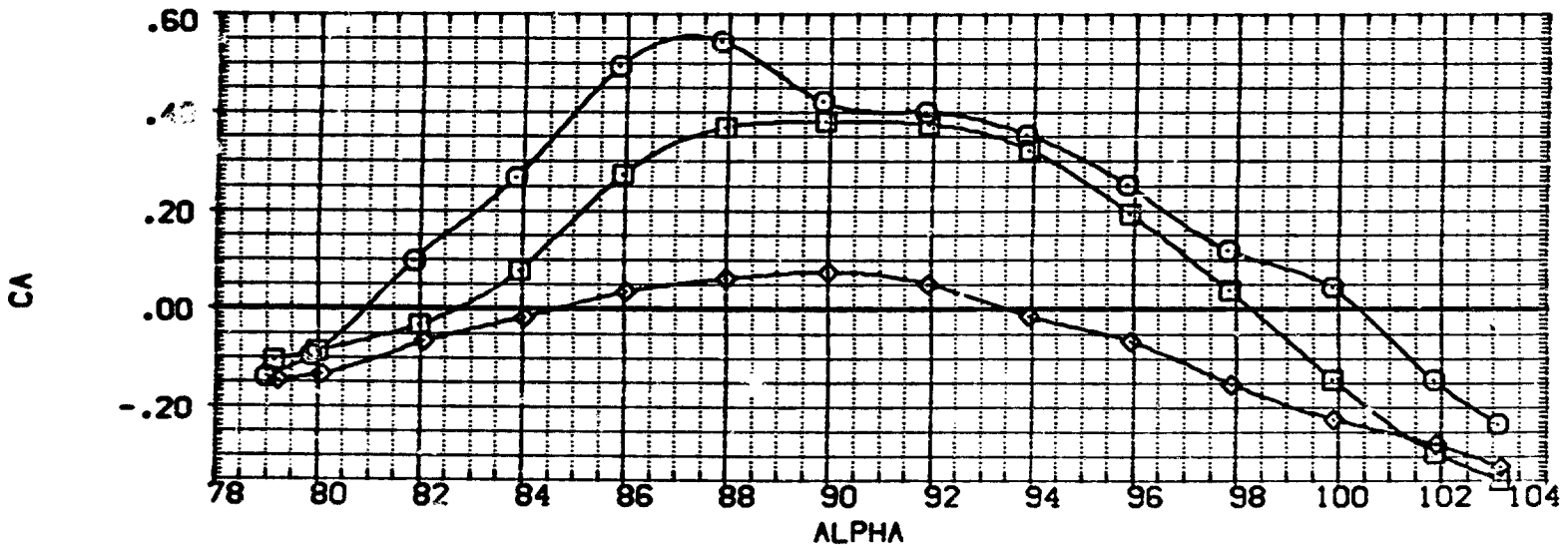
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 40 TRIP STRIPS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS110)	□	LARC 8TPT-662(SA-2FB) SRB V/ND.40 TRIPS(NOSE UP)	.600	.000	1.000
(BPS111)	○	LARC 8TPT-662(SA-2FB) SRB V/ND.40 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS112)	⊠	LARC 8TPT-662(SA-2FB) SRB V/ND.40 TRIPS(NOSE UP)	3.600	.000	1.000
(BPS113)	◇	DATA NOT AVAILABLE	5.100	.000	1.000
(BPS114)	△	DATA NOT AVAILABLE	5.500	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





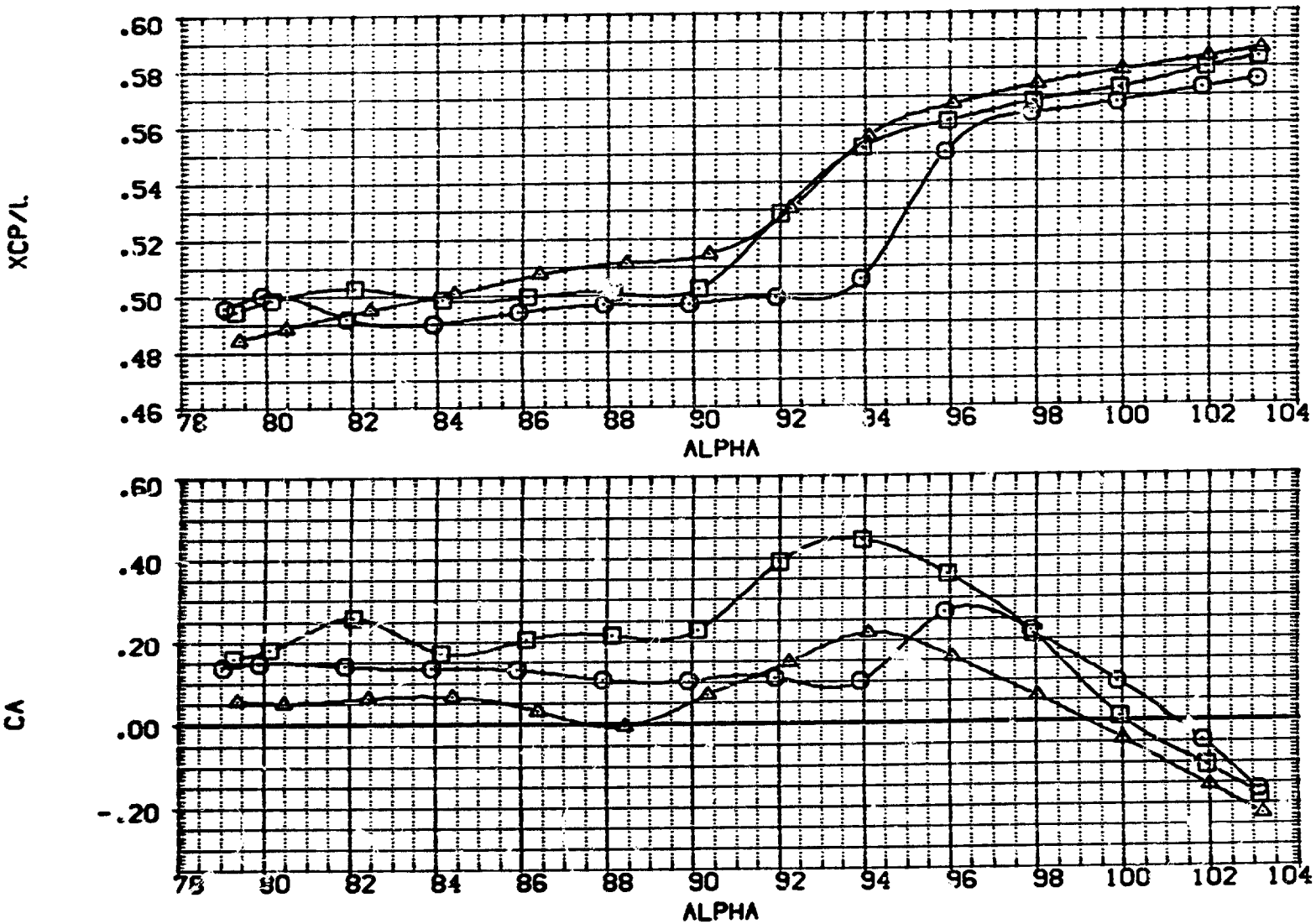
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 40 TRIP STRIPS

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPSI10)	□	LARC [illegible]62(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	.600	.000	1.000
(BPSI11)	○	LARC BTPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	2.000	.000	1.000
(BPSI12)	◇	DATA NOT AVAILABLE	3.600	.000	1.000
(BPSI13)	△	LARC BTPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	5.100	.000	1.000
(BPSI14)	▽	DATA NOT AVAILABLE	5.500	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

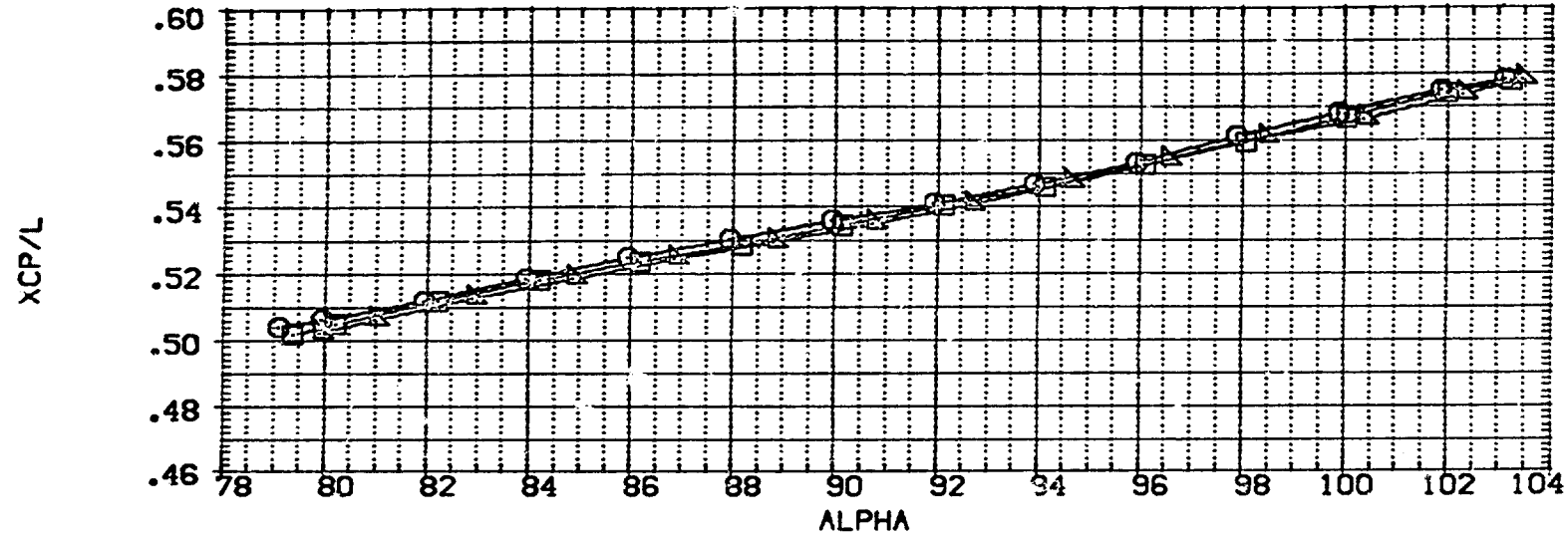


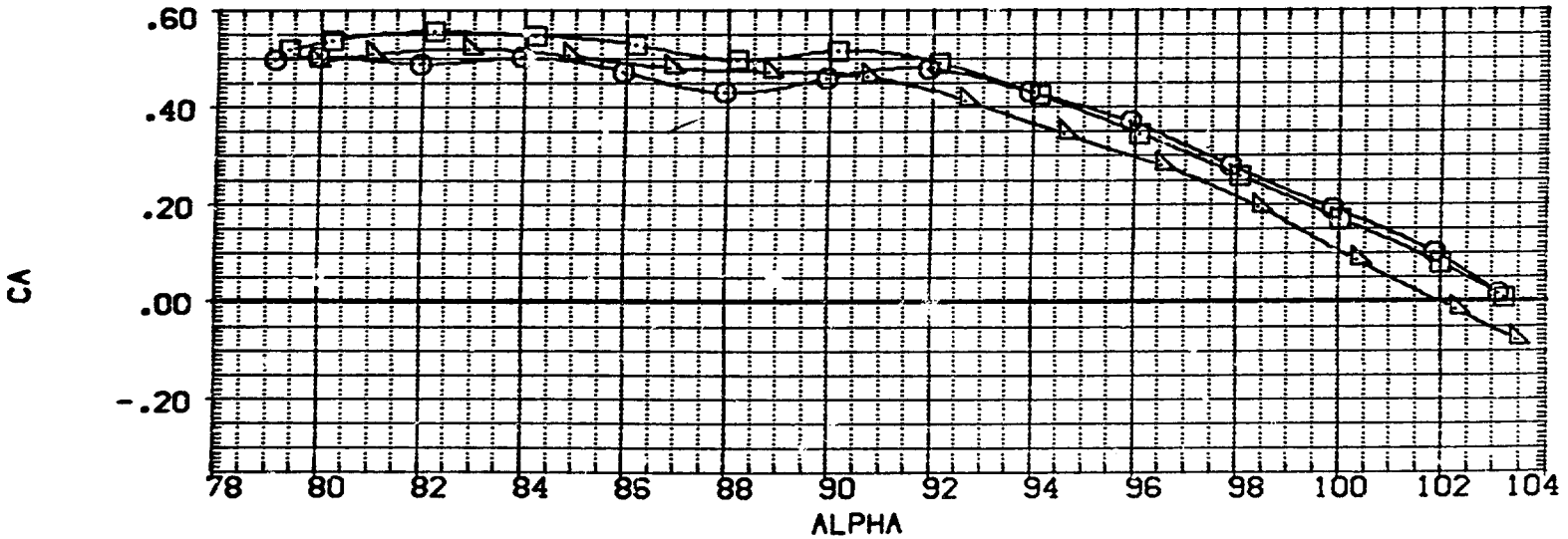
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 40 TRIP STRIPS

(B)MACH = .59

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS110)		LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	.600	.000	1.000
(BPS111)		LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS112)		DATA NOT AVAILABLE	3.600	.000	1.000
(BPS113)		DATA NOT AVAILABLE	5.100	.000	1.000
(BPS114)		LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	5.500	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



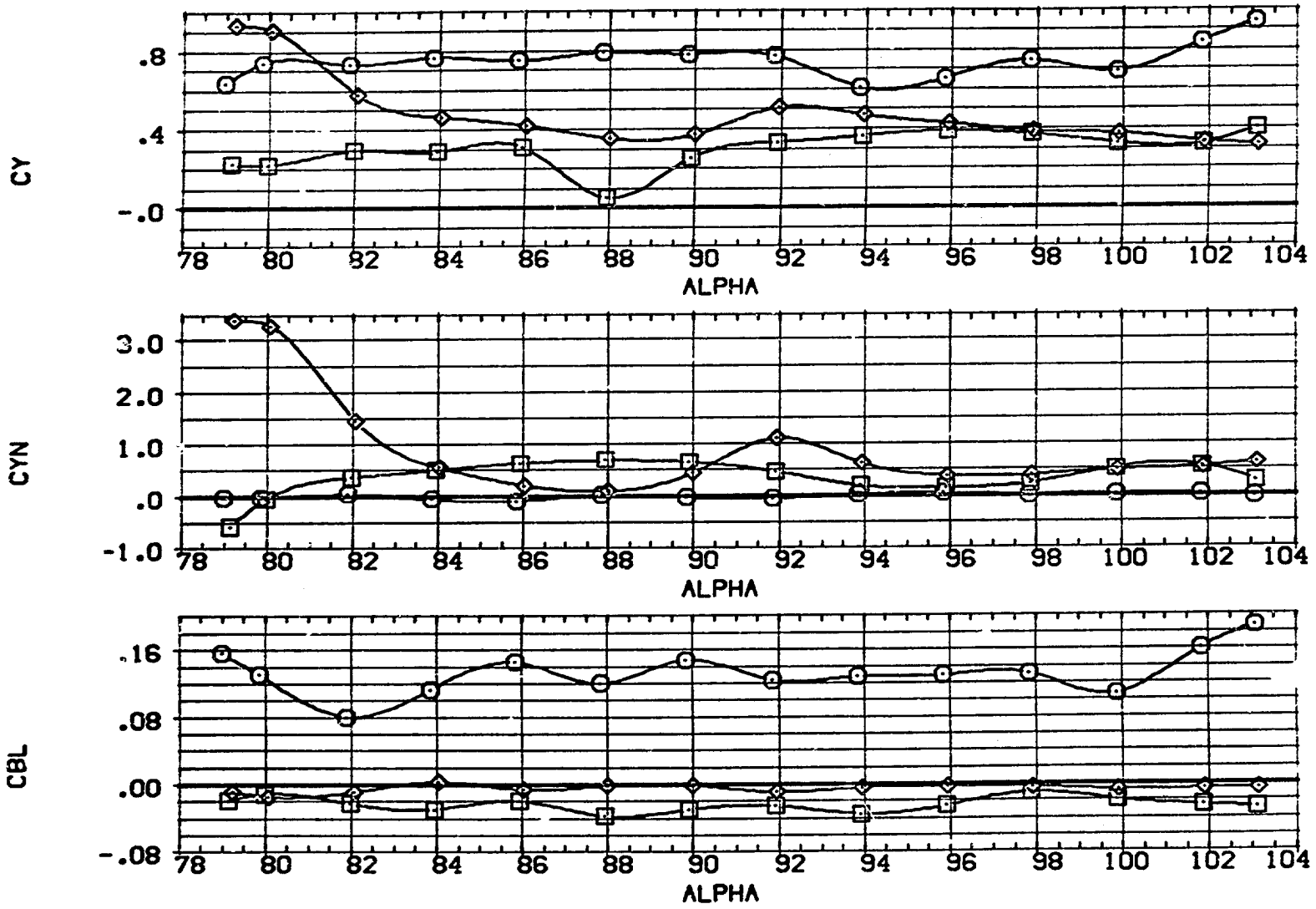


EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 40 TRIP STRIPS

(C)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPSI10)	LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	.600	.000	1.000
(BPSI11)	LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	2.000	.000	1.000
(BPSI12)	LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	3.600	.000	1.000
(BPSI13)	DATA NOT AVAILABLE	5.100	.000	1.000
(BPSI14)	DATA NOT AVAILABLE	5.500	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

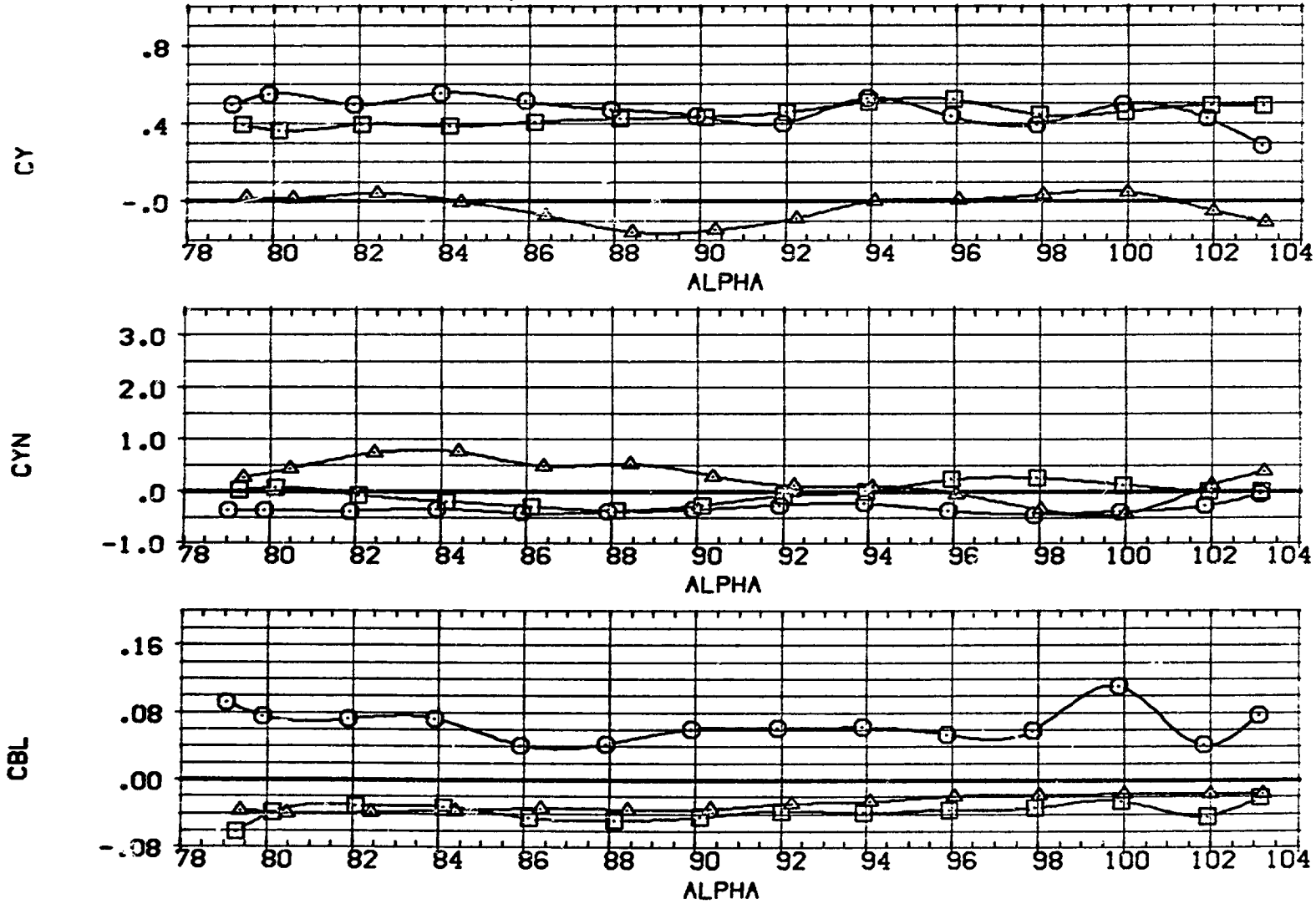


EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 40 TRIP STRIPS

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS)10)	○	LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	.600	.000	1.000
(BPS)11)	□	LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS)12)	◇	DATA NOT AVAILABLE	3.600	.000	1.000
(BPS)13)	△	LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	5.100	.000	1.000
(BPS)14)	▷	DATA NOT AVAILABLE	5.500	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

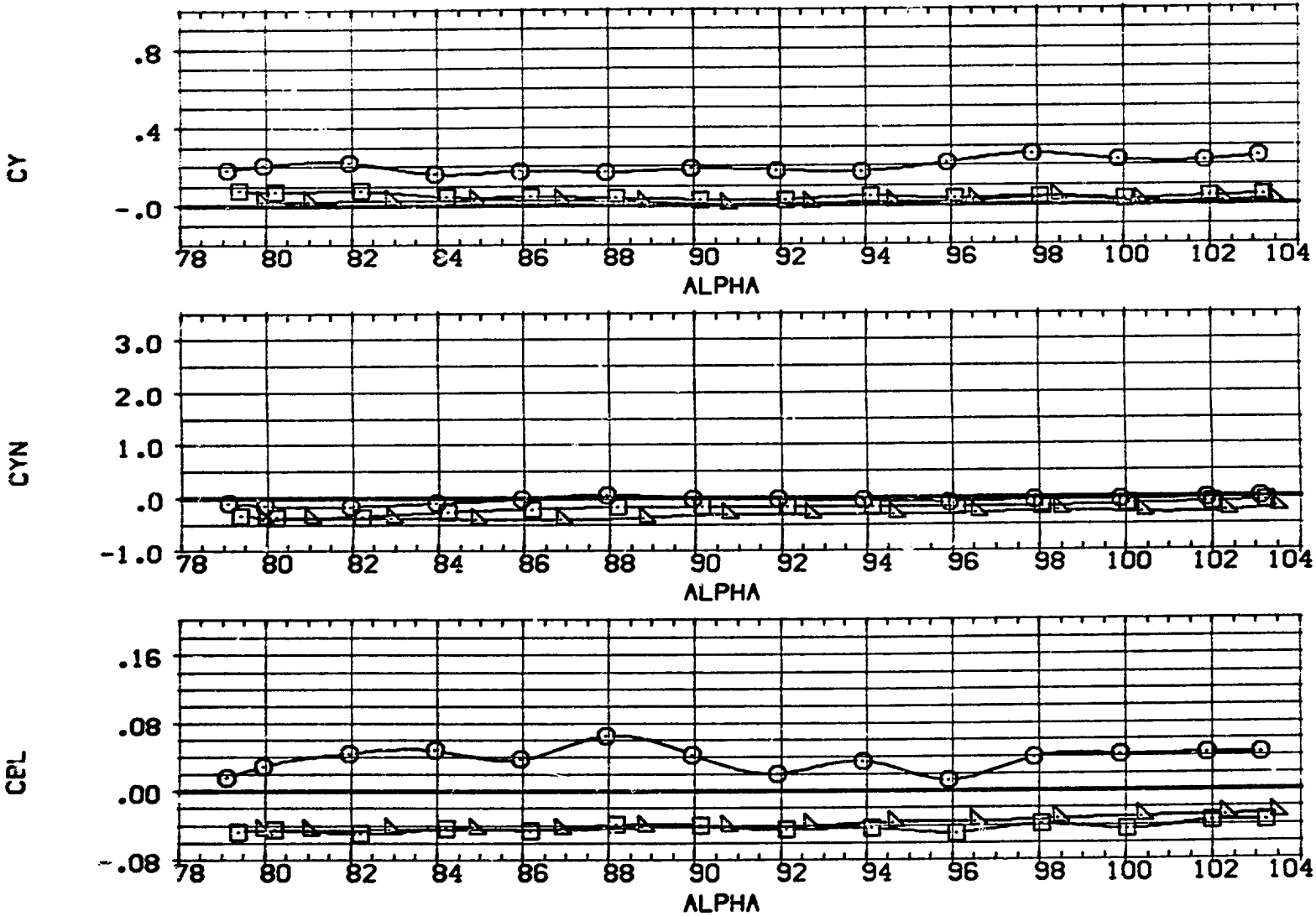


EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 40 TRIP STRIPS

(B)MACH = .59

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS110)		LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	.600	.000	1.000
(BPS111)		LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS112)		DATA NOT AVAILABLE	3.600	.000	1.000
(BPS113)		DATA NOT AVAILABLE	5.100	.000	1.000
(BPS114)		LARC 8TPT-662(SA-2FB) SRB W/NO.40 TRIPS(NOSE UP)	5.500	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

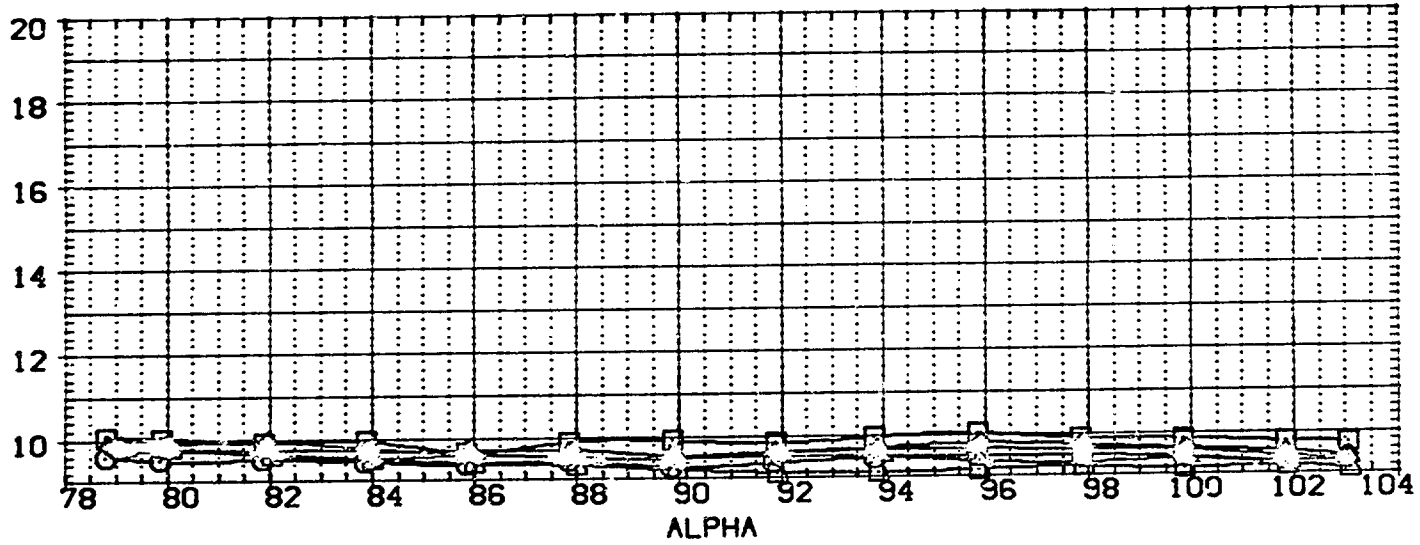


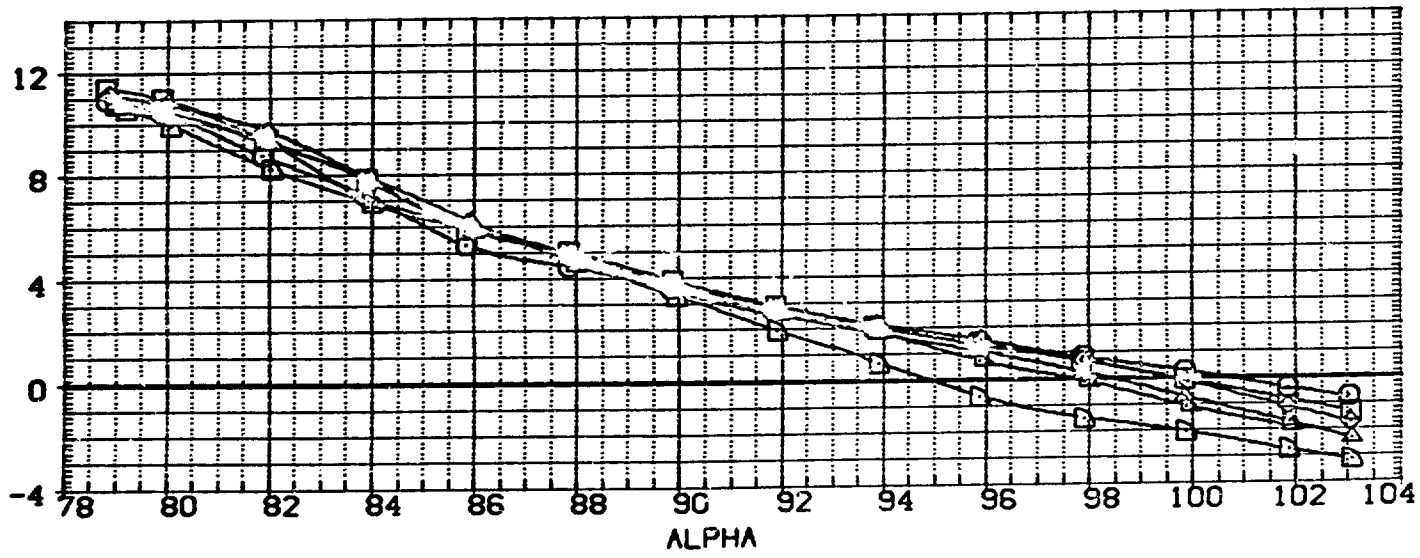
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 40 TRIP STRIPS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS115)	□	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.600	.000	1.000
(BPS116)	◇	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.900	.000	1.000
(BPS117)	⊠	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	1.600	.000	1.000
(BPS118)	△	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS119)	⊠	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	2.900	.000	1.000
(BPS120)	▽	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	3.600	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





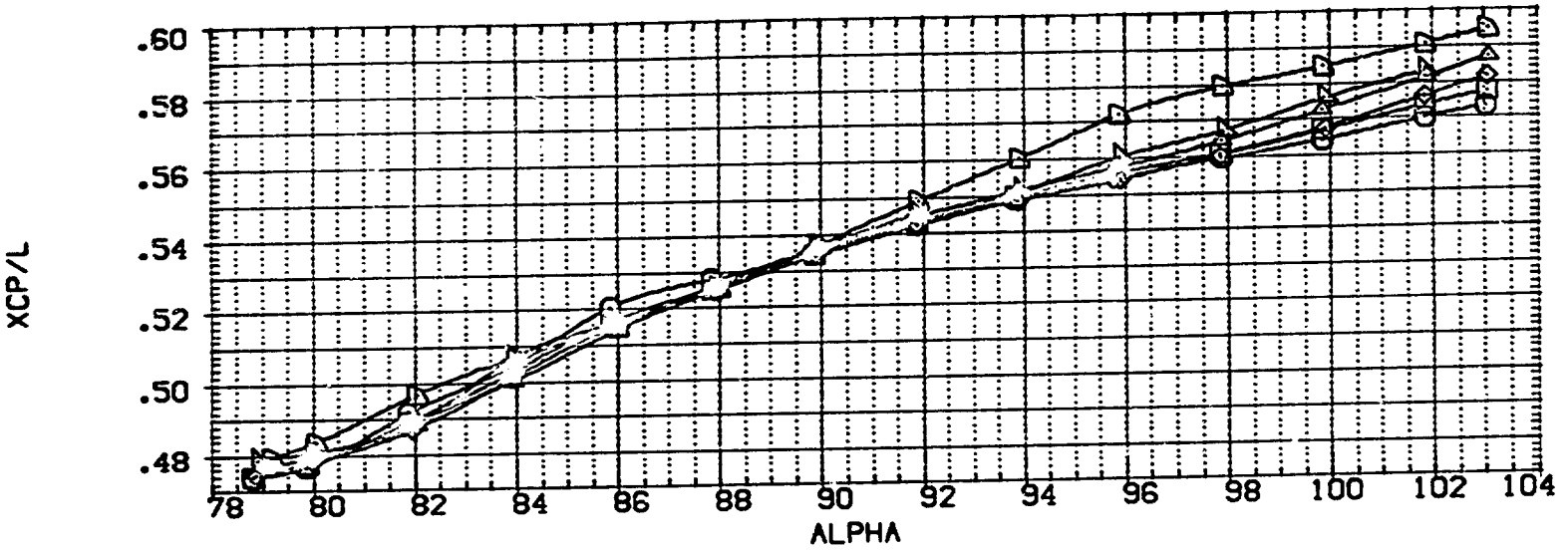
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 25 TRIP STRIPS

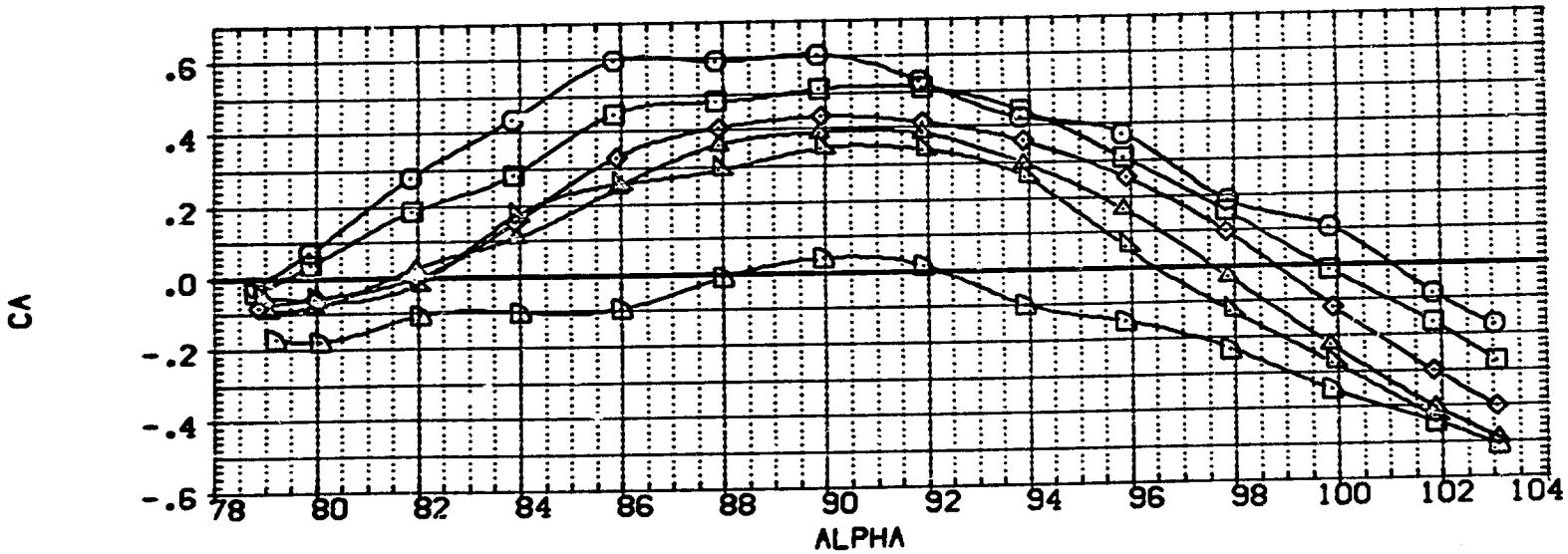
(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS115)	○	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.600	.000	1.000
(BPS116)	□	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.900	.000	1.000
(BPS117)	◇	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	1.600	.000	1.000
(BPS118)	△	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS119)	▽	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	2.900	.000	1.000
(BPS120)	▷	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	3.600	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





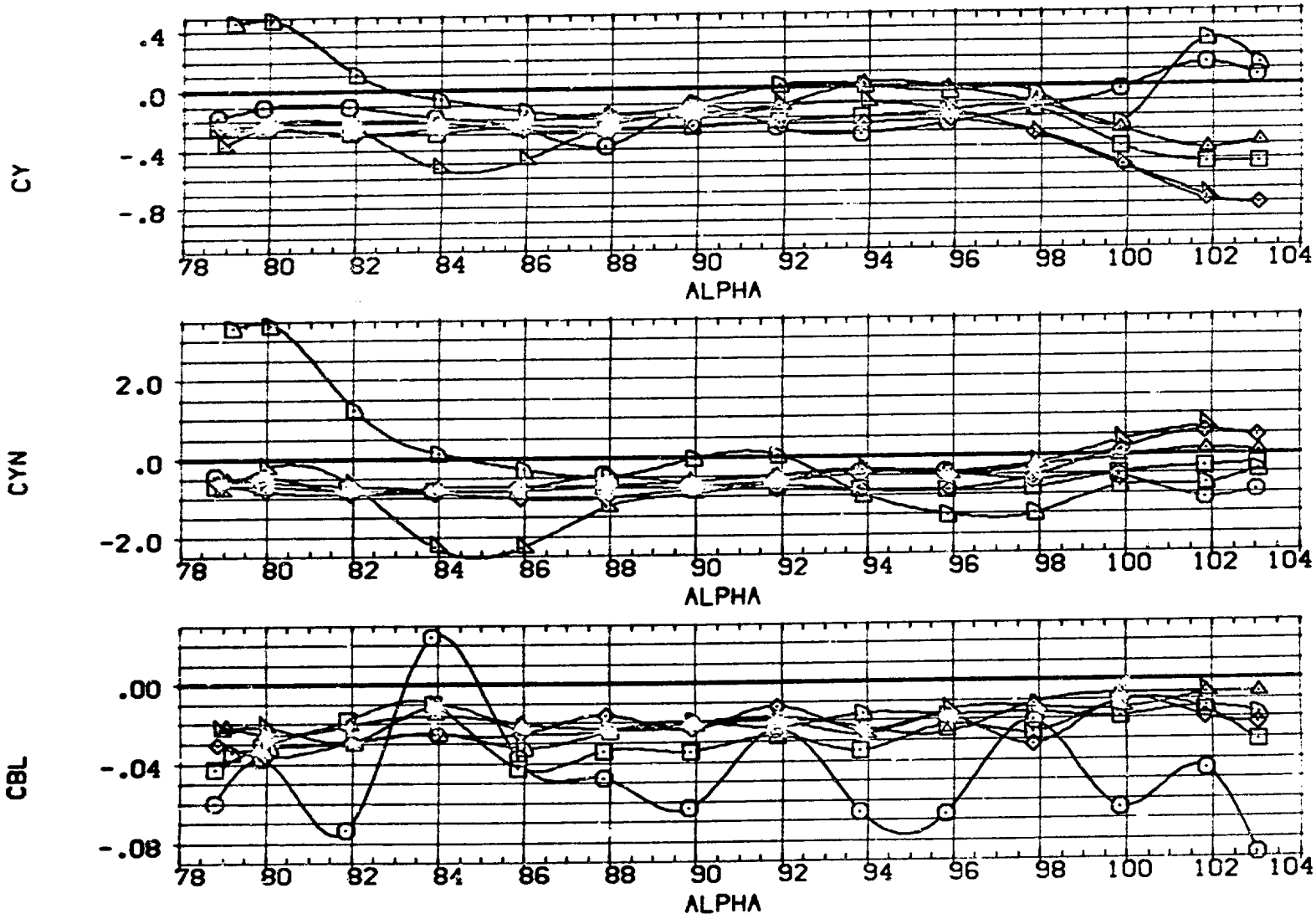
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 25 TRIP STRIPS

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS:15)	○	LARC 8TPT-662(SA-2FB) SRB V/N0.25 TRIPS(NOSE UP)	.600	.000	1.000
(BPS:16)	□	LARC 8TPT-662(SA-2FB) SRB V/N0.25 TRIPS(NOSE UP)	.900	.000	1.000
(BPS:17)	◇	LARC 8TPT-662(SA-2FB) SRB V/N0.25 TRIPS(NOSE UP)	1.600	.000	1.000
(BPS:18)	△	LARC 8TPT-662(SA-2FB) SRB V/N0.25 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS:19)	▽	LARC 8TPT-662(SA-2FB) SRB V/N0.25 TRIPS(NOSE UP)	2.900	.000	1.000
(BPS:20)	▷	LARC 8TPT-662(SA-2FB) SRB V/N0.25 TRIPS(NOSE UP)	3.600	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

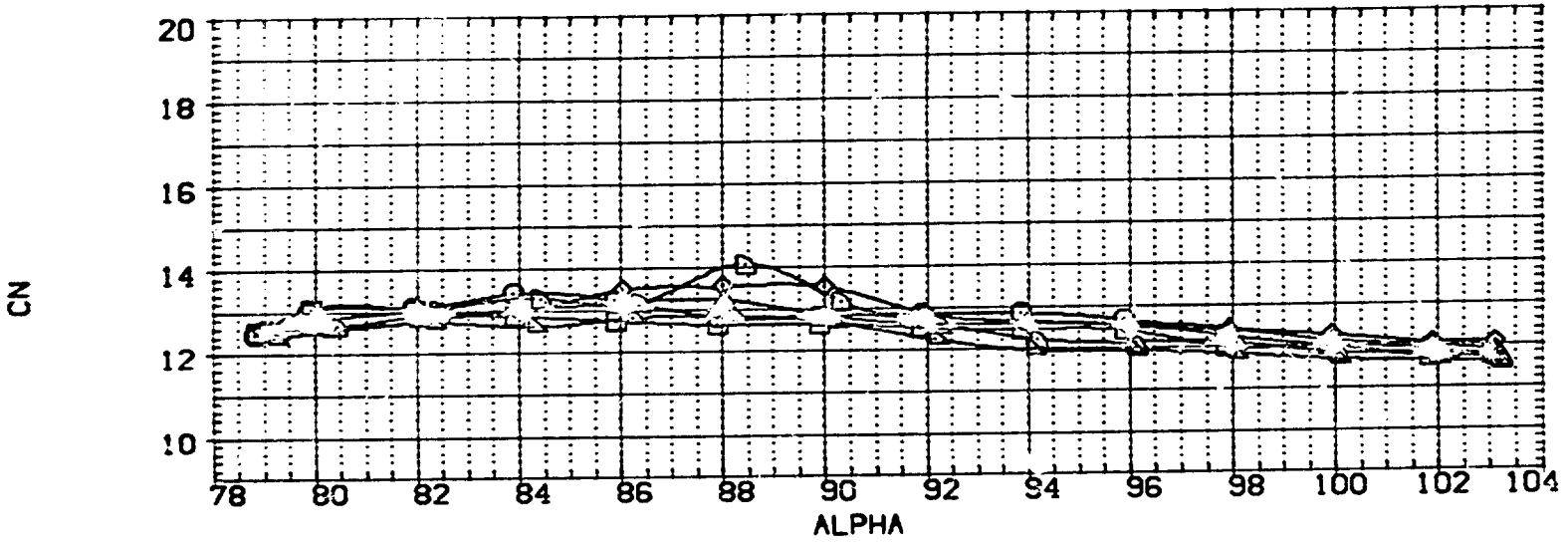


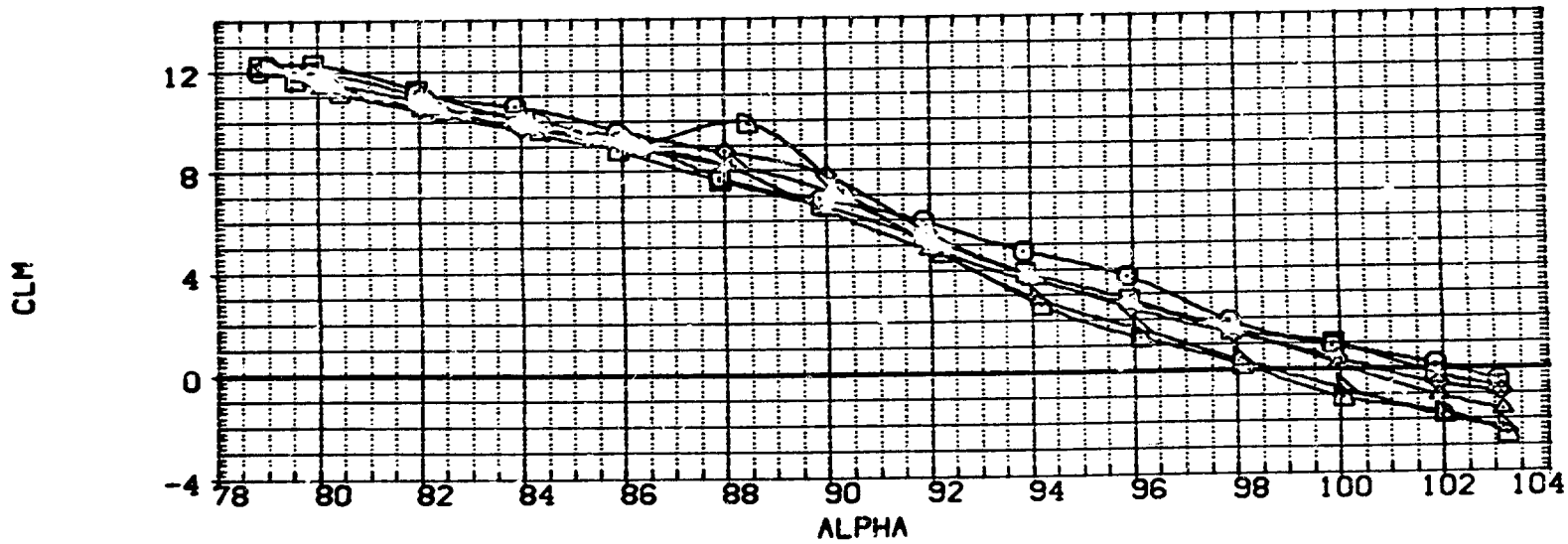
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 25 TRIP STRIPS

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS115)	□	LARC [illegible]-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.600	.000	1.000
(BPS116)	△	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.900	.000	1.000
(BPS117)	◇	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	1.600	.000	1.000
(BPS118)	⊲	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS120)	⊳	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	3.600	.000	1.000
(BPS121)	▽	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	5.100	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



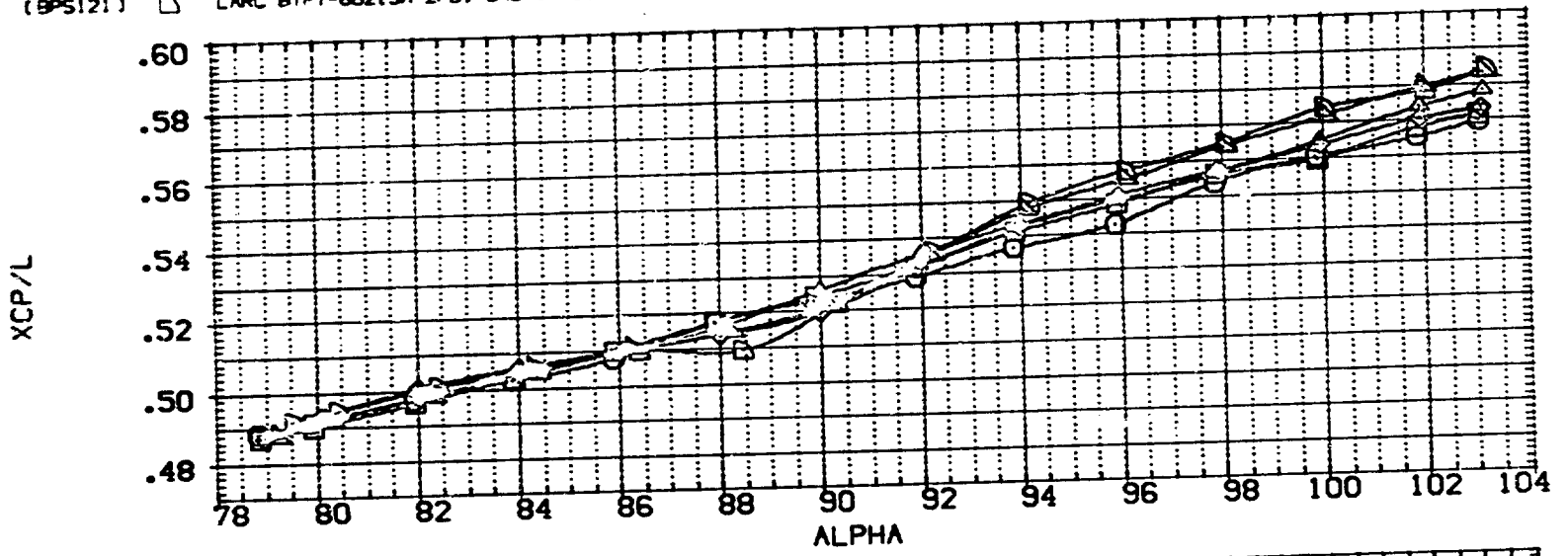


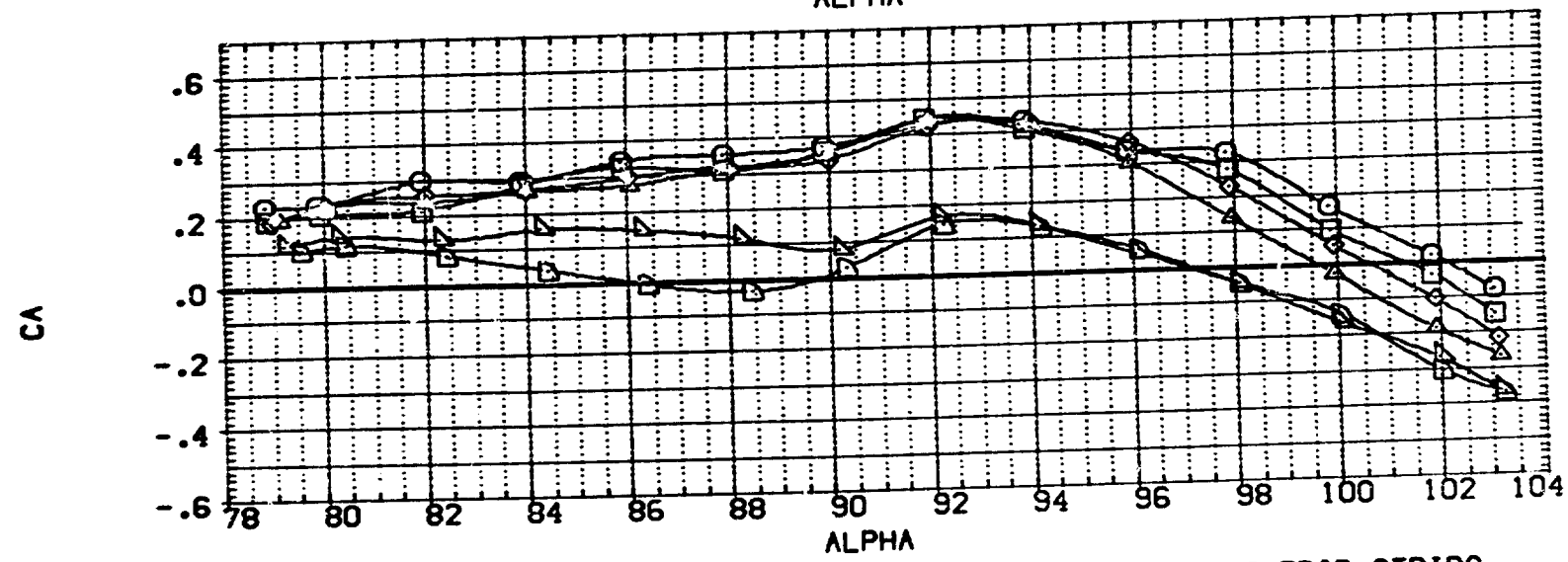
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 25 TRIP STRIPS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS115)	□	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.600	.000	1.000
(BPS116)	△	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.900	.000	1.000
(BPS117)	◇	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	1.600	.000	1.000
(BPS118)	▽	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS120)	⊲	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	3.600	.000	1.000
(BPS121)	▷	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	5.100	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





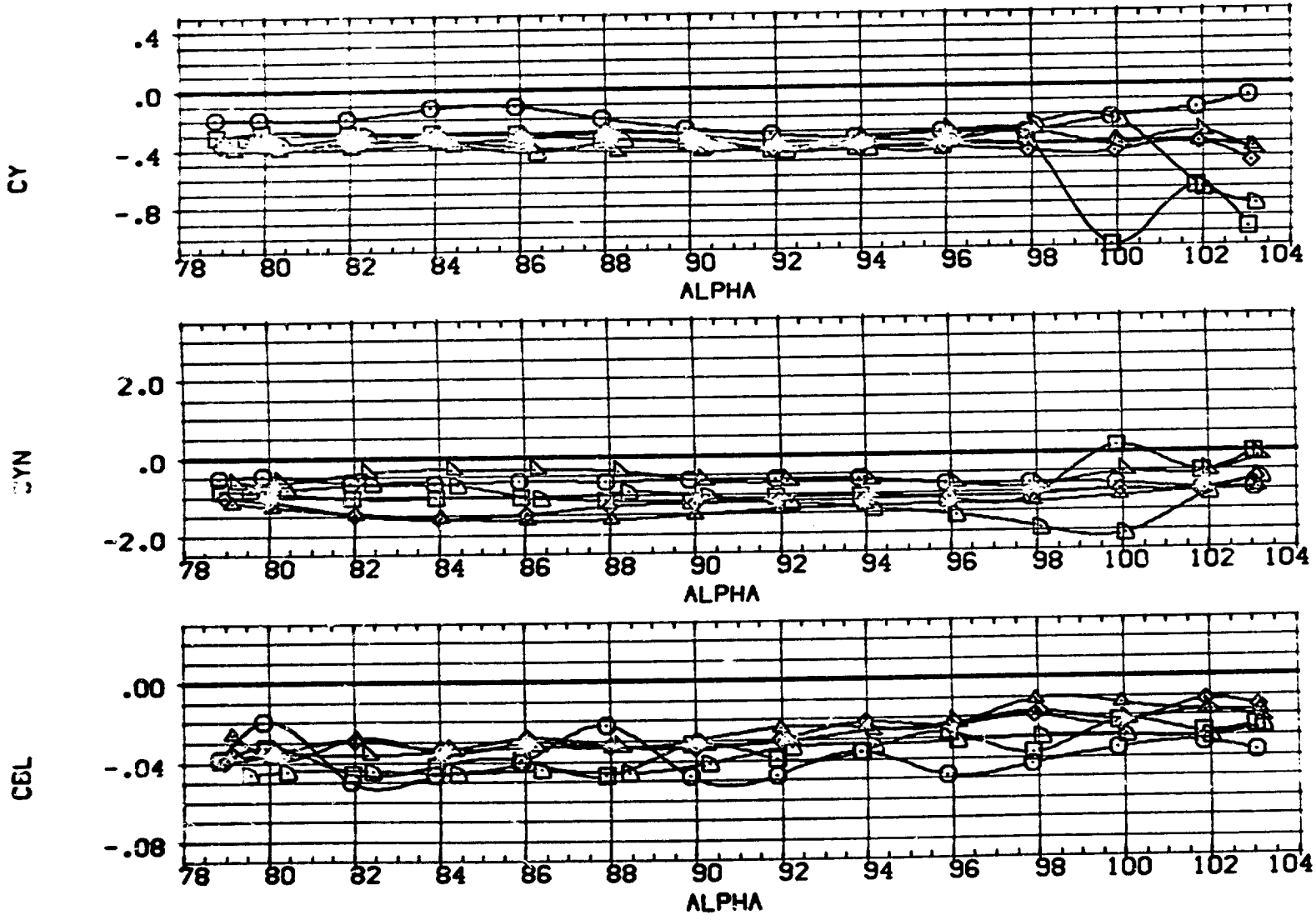
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 25 TRIP STRIPS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS115)	□	LARC [illegible]-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.600	.000	1.000
(BPS116)	◇	LARC BTPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.900	.000	1.000
(BPS117)	△	LARC BTPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	1.600	.000	1.000
(BPS118)	▽	LARC BTPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS120)	◁	LARC BTPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	3.600	.000	1.000
(BPS121)	▷	LARC BTPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	5.100	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

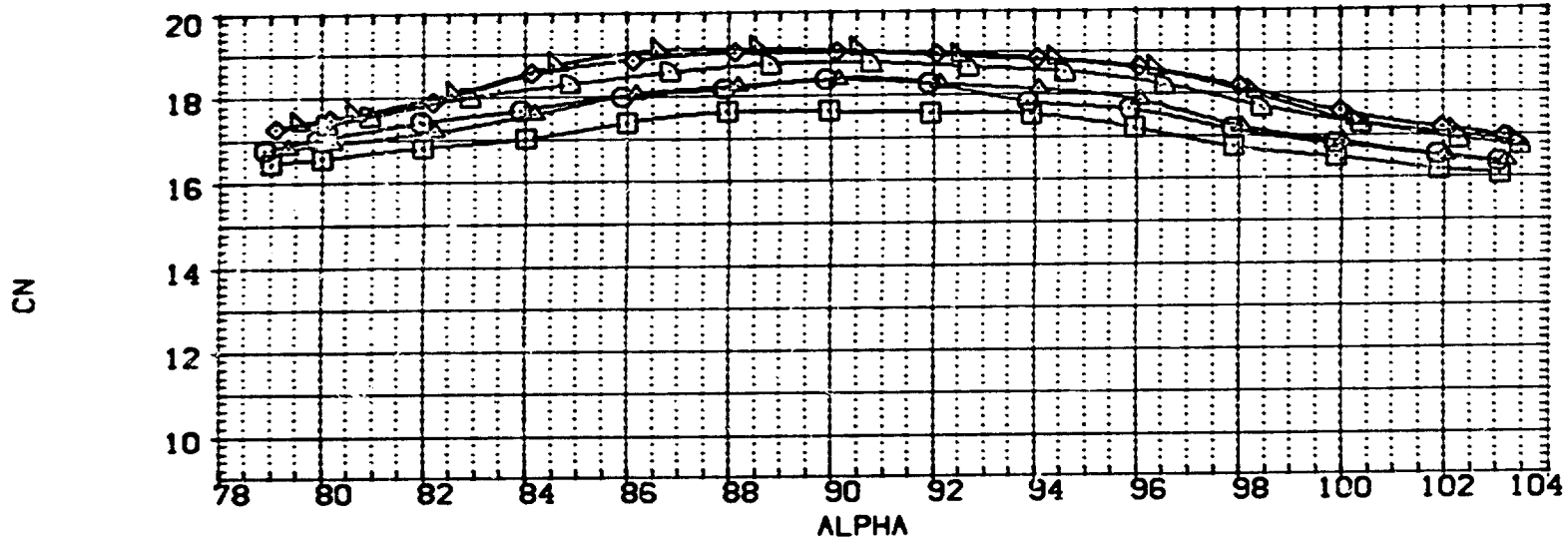


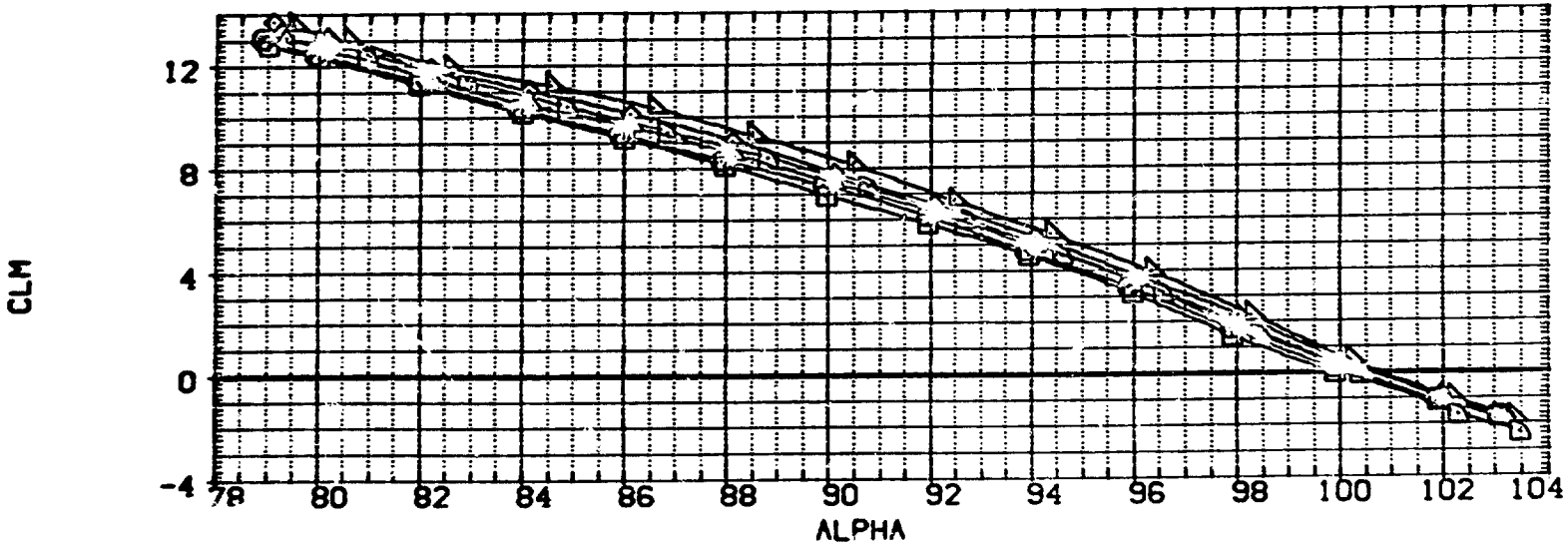
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 25 TRIP STRIPS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS115)	□	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.600	.000	1.000
(BPS116)	◇	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.900	.000	1.000
(BPS117)	△	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	1.600	.000	1.000
(BPS118)	◁	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS120)	▷	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	3.600	.000	1.000
(BPS122)	○	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	5.500	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





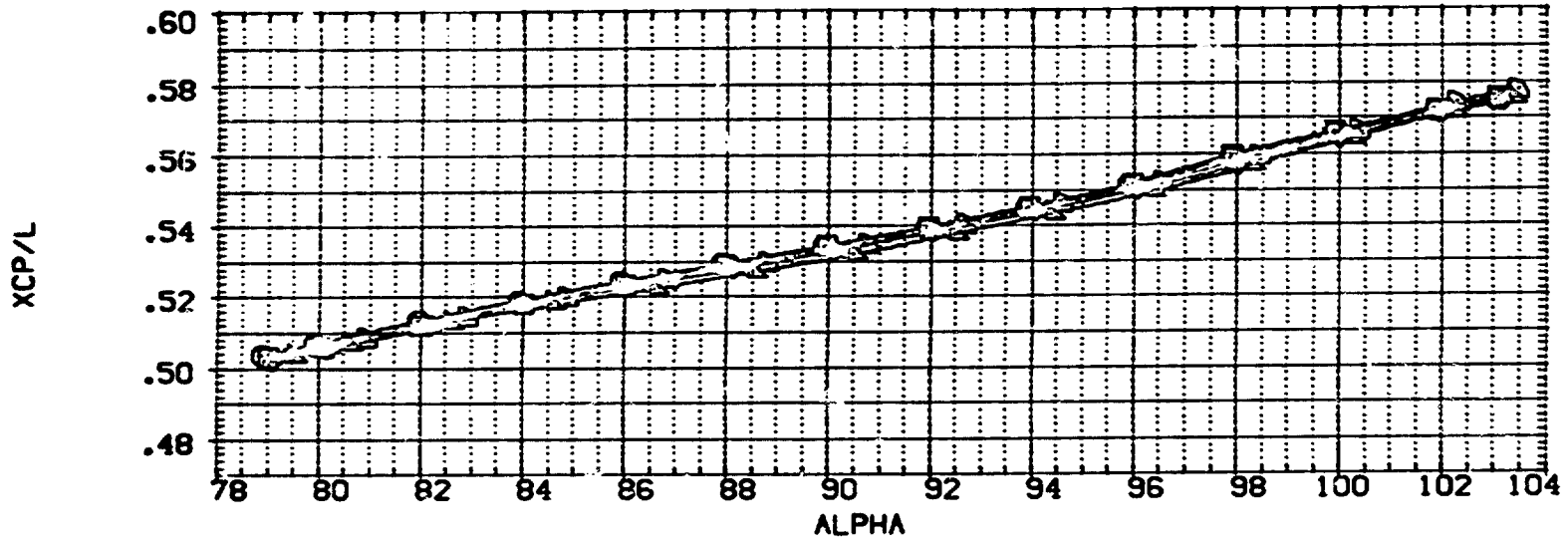
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 25 TRIP STRIPS

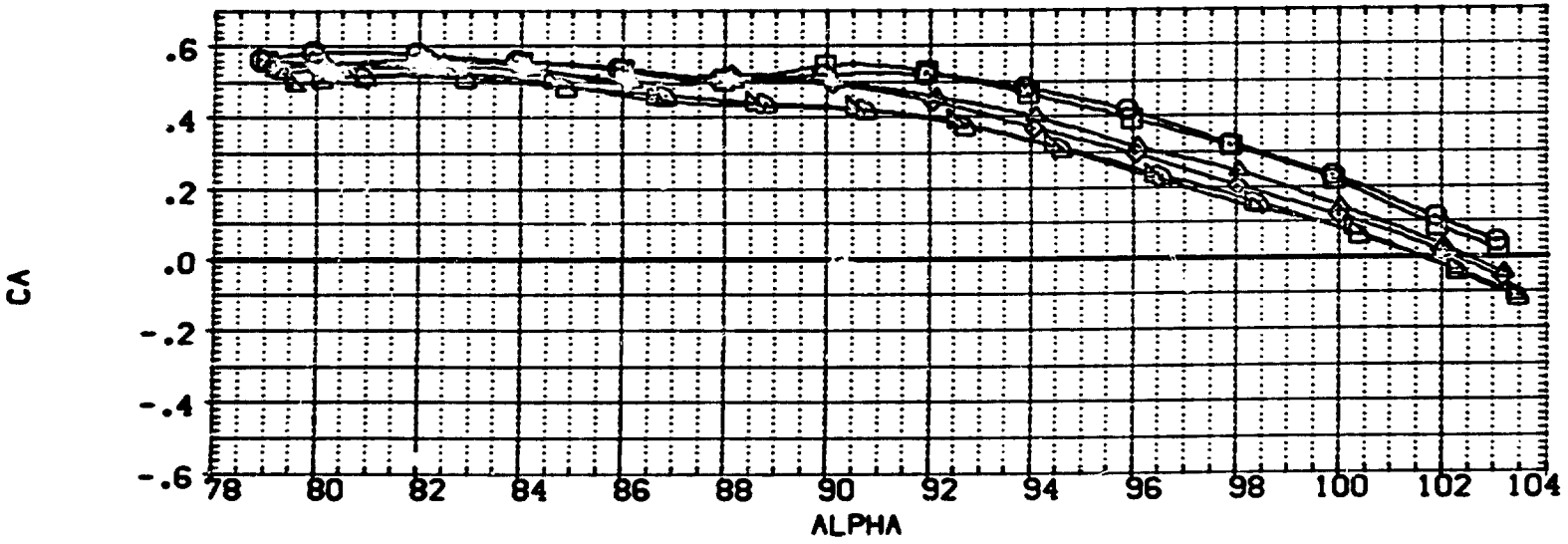
(A)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS115)	□	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.600	.000	1.000
(BPS116)	◇	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	.900	.000	1.000
(BPS117)	△	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	1.600	.000	1.000
(BPS118)	▽	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS120)	⊲	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	3.600	.000	1.000
(BPS122)	⊳	LARC 8TPT-662(SA-2FB) SRB W/NO.25 TRIPS(NOSE UP)	5.500	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





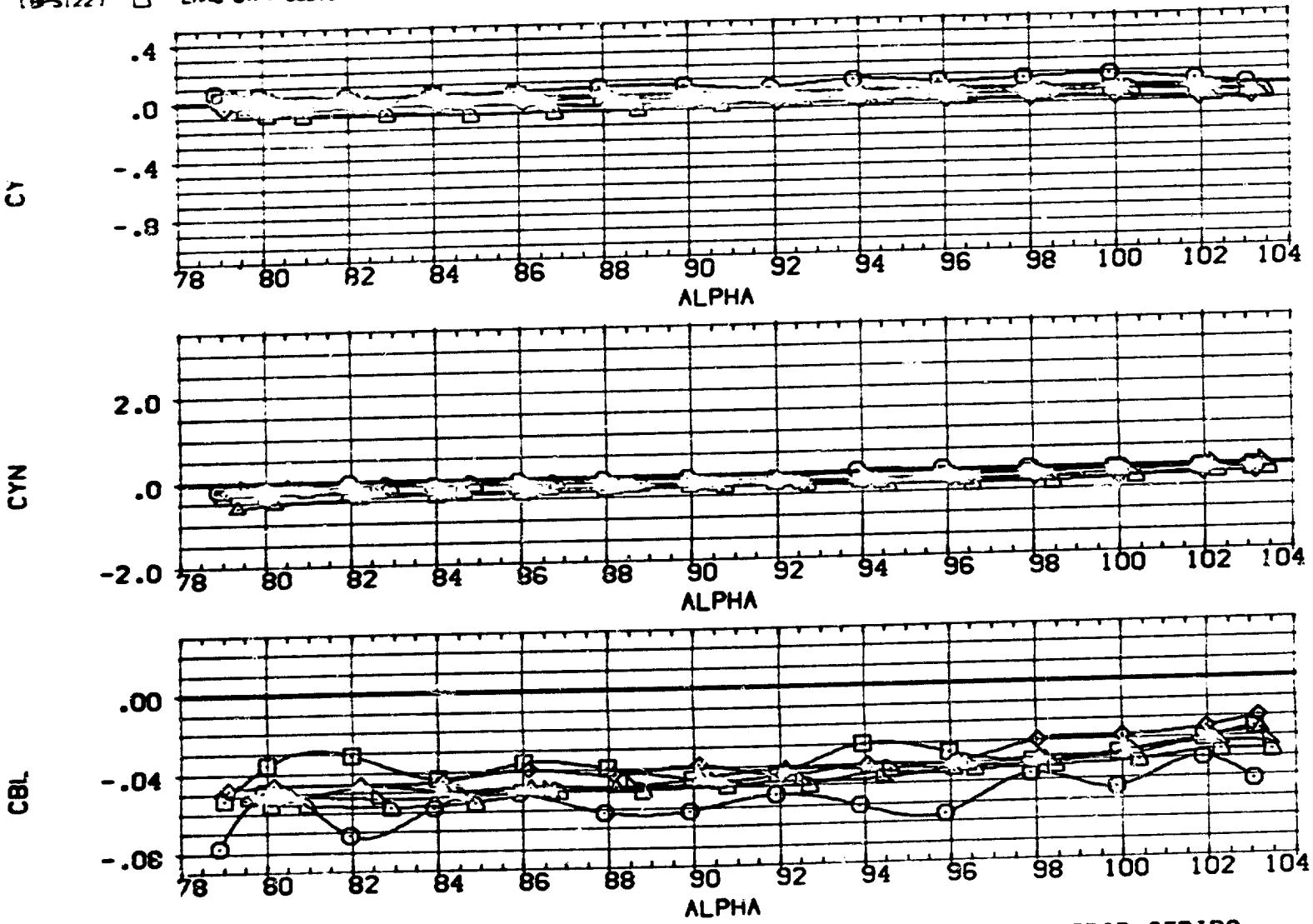
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 25 TRIP STRIPS

(A)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS115)	□	LARC 8TPT-662(SA-2FB) SRB V/NO.25 TRIPS(NOSE UP)	.600	.000	1.000
(BPS116)	◇	LARC 8TPT-662(SA-2FB) SRB V/NO.25 TRIPS(NOSE UP)	.900	.000	1.000
(BPS117)	△	LARC 8TPT-662(SA-2FB) SRB V/NO.25 TRIPS(NOSE UP)	1.600	.000	1.000
(BPS118)	▽	LARC 8TPT-662(SA-2FB) SRB V/NO.25 TRIPS(NOSE UP)	2.000	.000	1.000
(BPS120)	◁	LARC 8TPT-662(SA-2FB) SRB V/NO.25 TRIPS(NOSE UP)	3.600	.000	1.000
(BPS122)	▷	LARC 8TPT-662(SA-2FB) SRB V/NO.25 TRIPS(NOSE UP)	5.500	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



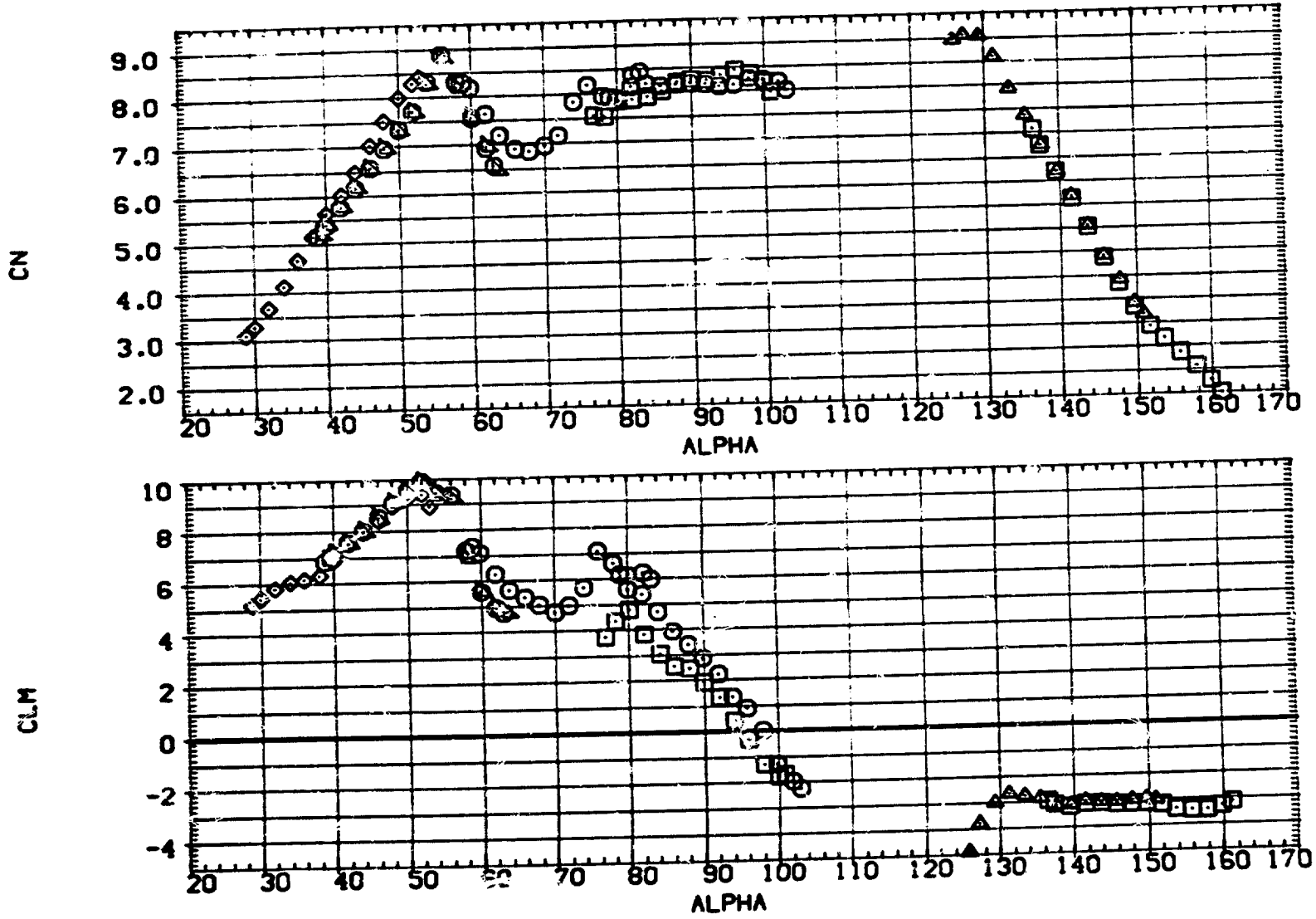
EFFECT OF REYNOLDS NO. ON BODY ALONE AERO. CHARACT. WITH NO. 25 TRIP STRIPS

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS501)	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	3.600	.000	1.000
(BPS502)	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	3.600	.000	1.000
(BPS503)	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	3.600	.000	1.000
(BPS507)	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	3.600	.000	1.000
(BPS508)	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	3.600	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



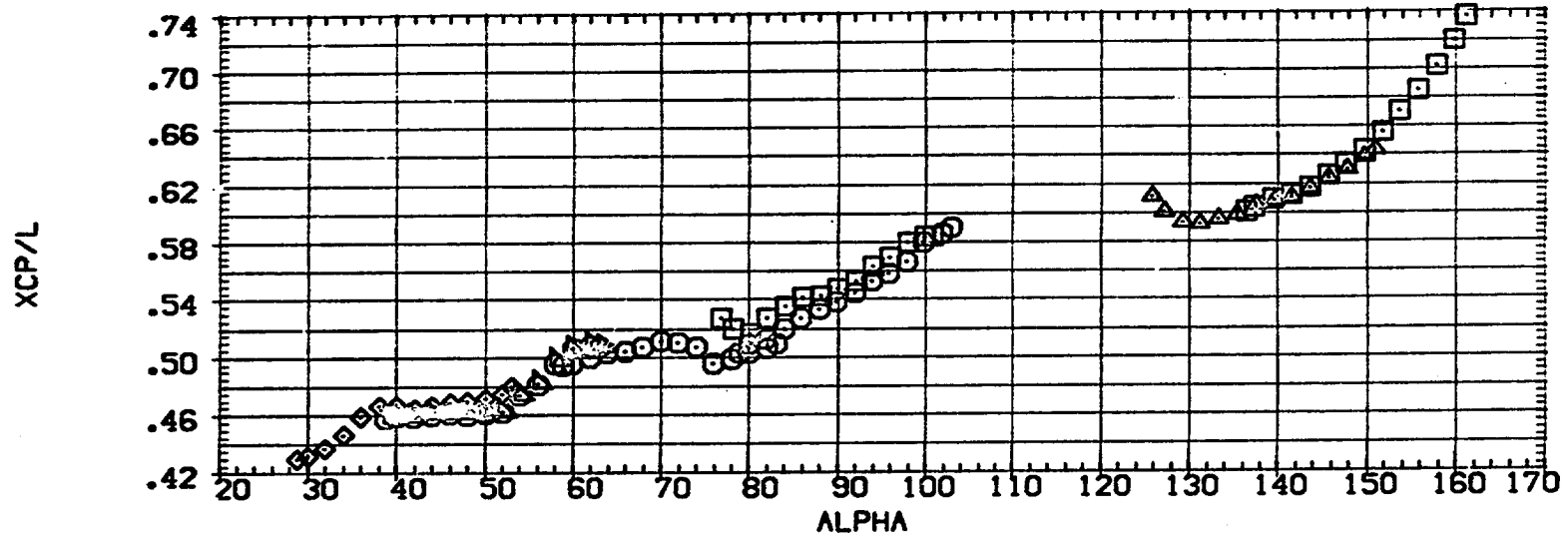
STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

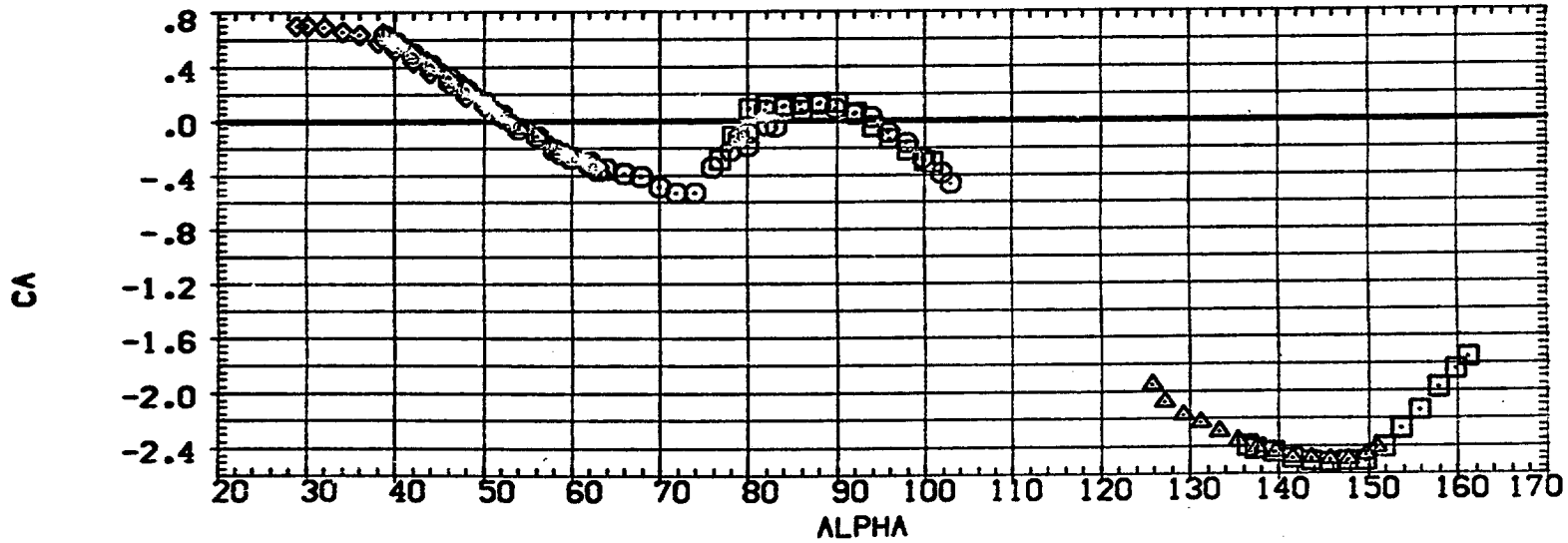
(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPSS01)		LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	3.600	.000	1.000
(BPSS02)		LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	3.600	.000	1.000
(BPS106)		LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	3.600	.000	1.000
(BPS107)		LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	3.600	.000	1.000
(BPS108)		LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	3.600	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



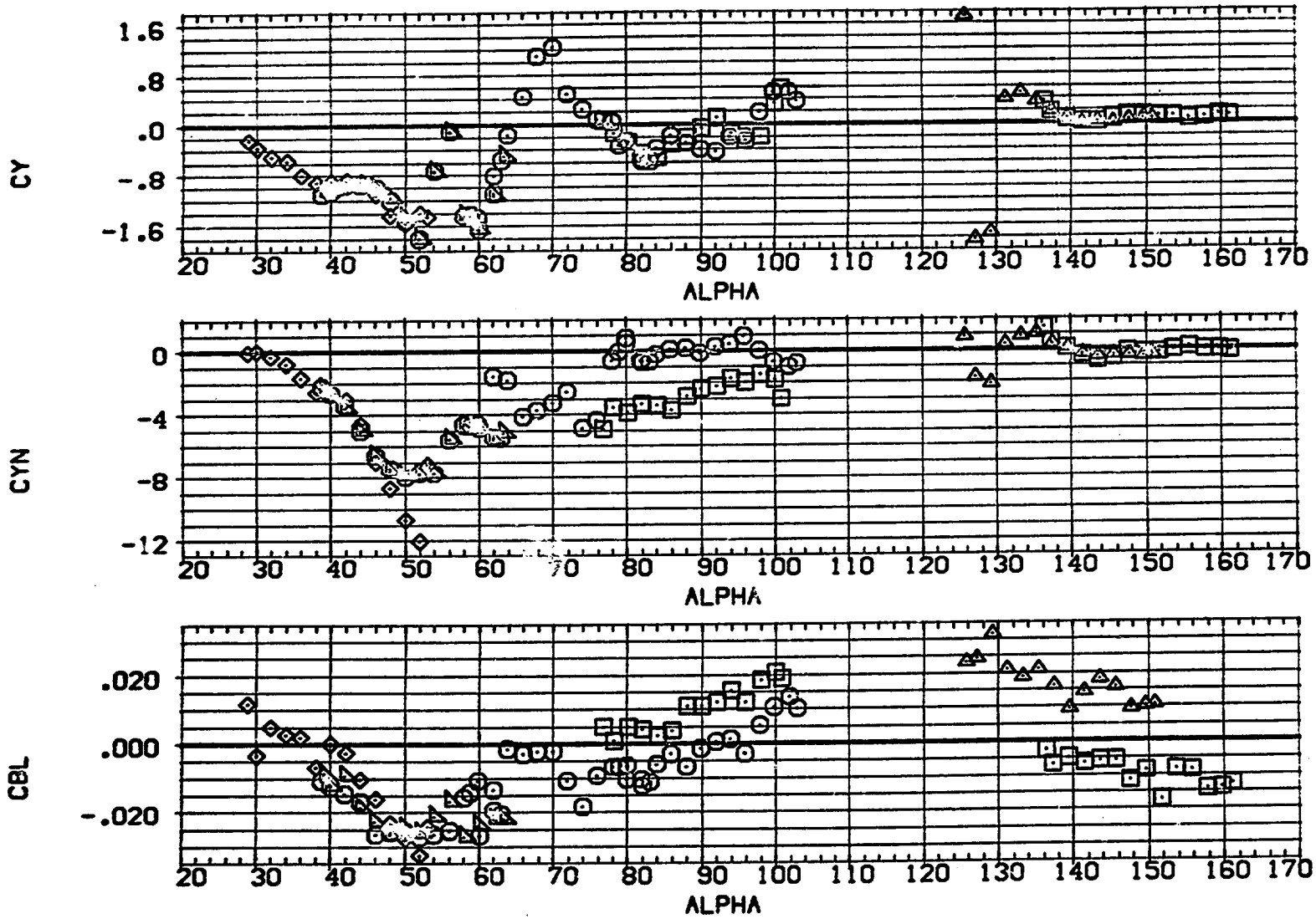


STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = .40

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPSS01)	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	3.600	.000	1.000
(BPSS02)	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	3.600	.000	1.000
(BPS106)	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	3.600	.000	1.000
(BPS107)	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	3.600	.000	1.000
(BPS108)	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	3.600	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



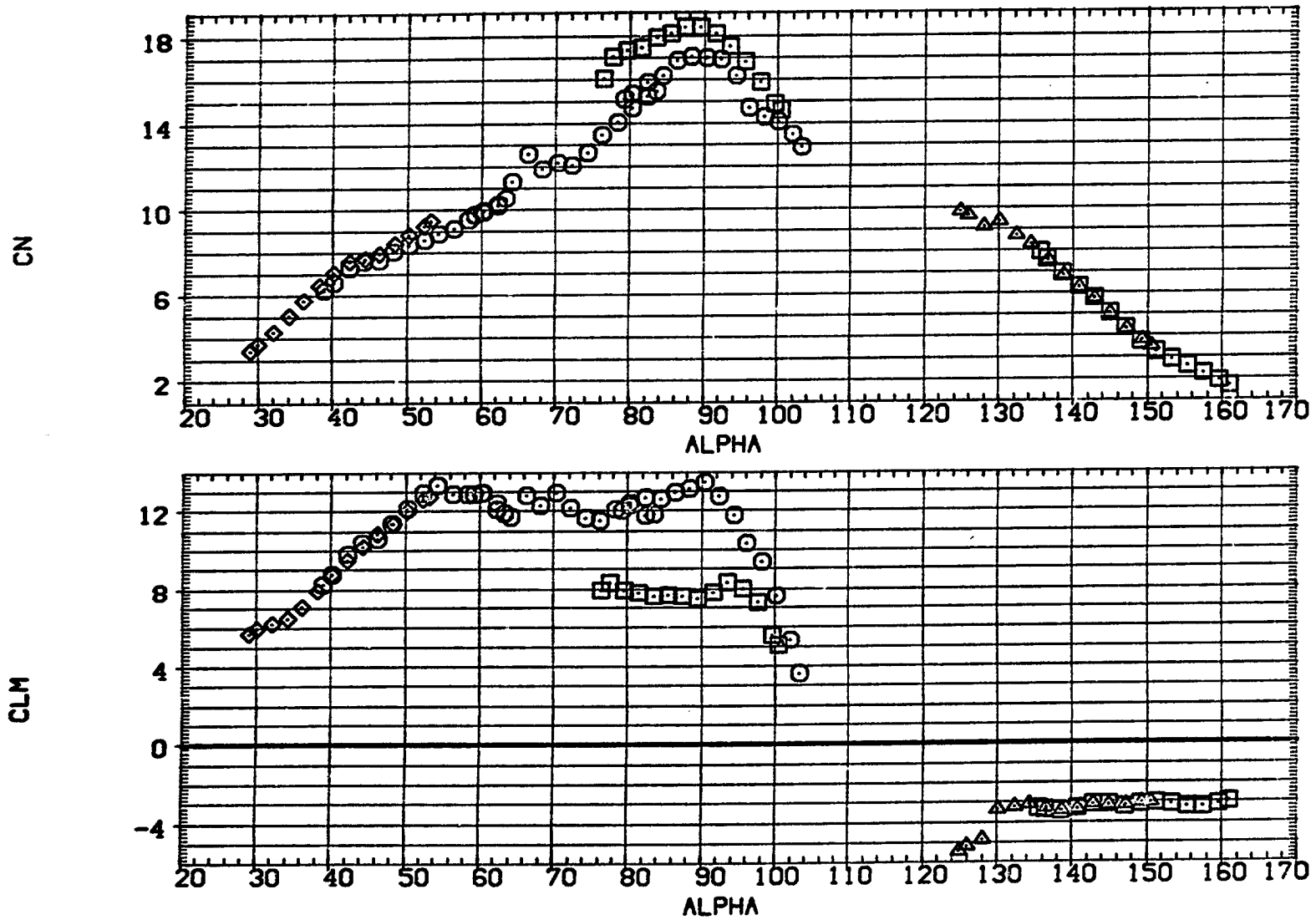
STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = .40

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPSS03)	○	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	5.100	.000	1.000
(BPSS04)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	5.100	.000	1.000
(BPS128)	◇	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	5.100	.000	1.000
(BPS129)	△	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	5.100	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

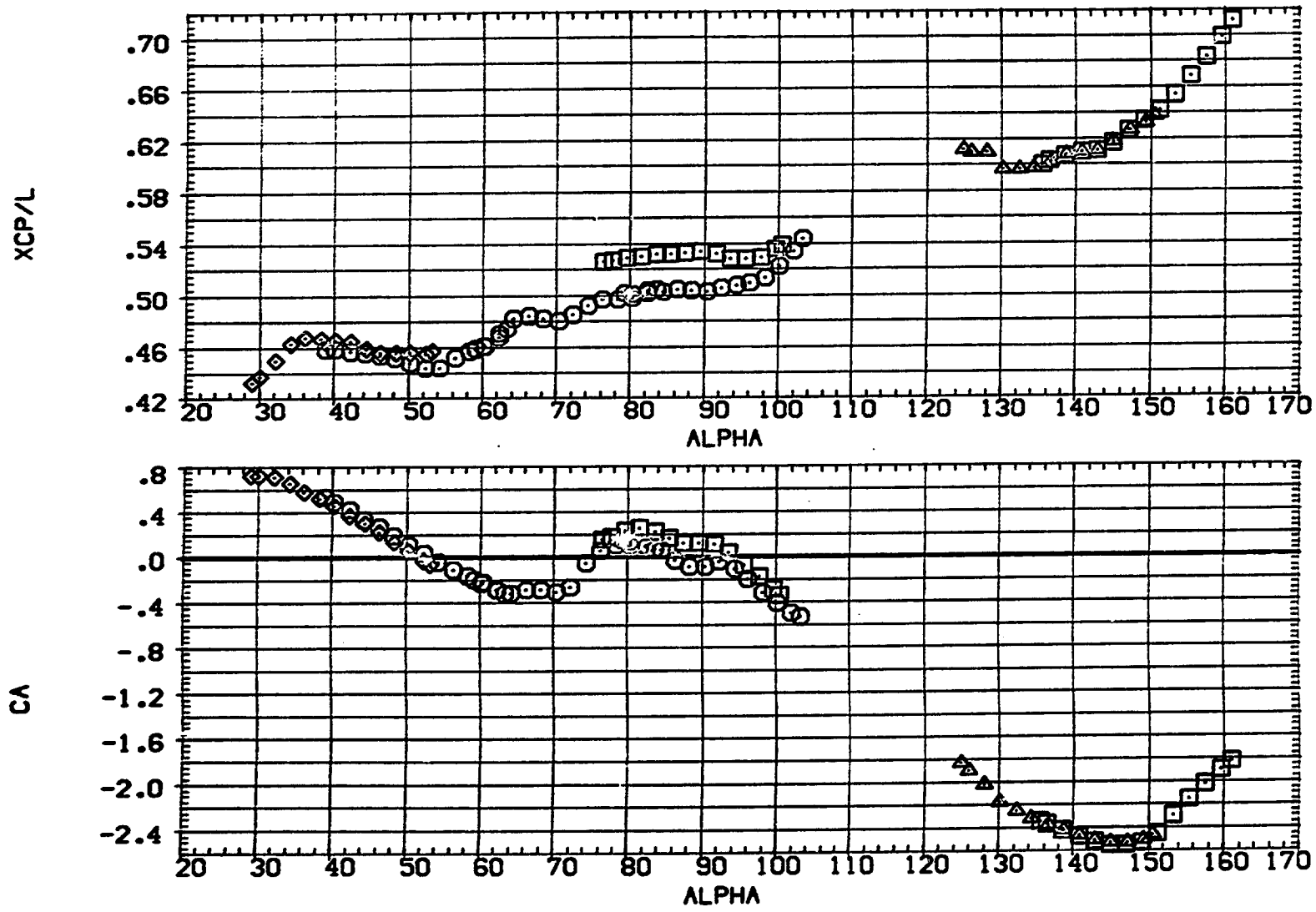


STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = .60

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPSS03)	○	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	5.100	.000	1.000
(BPSS04)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	5.100	.000	1.000
(BPSI28)	◇	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	5.100	.000	1.000
(BPSI29)	△	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	5.100	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

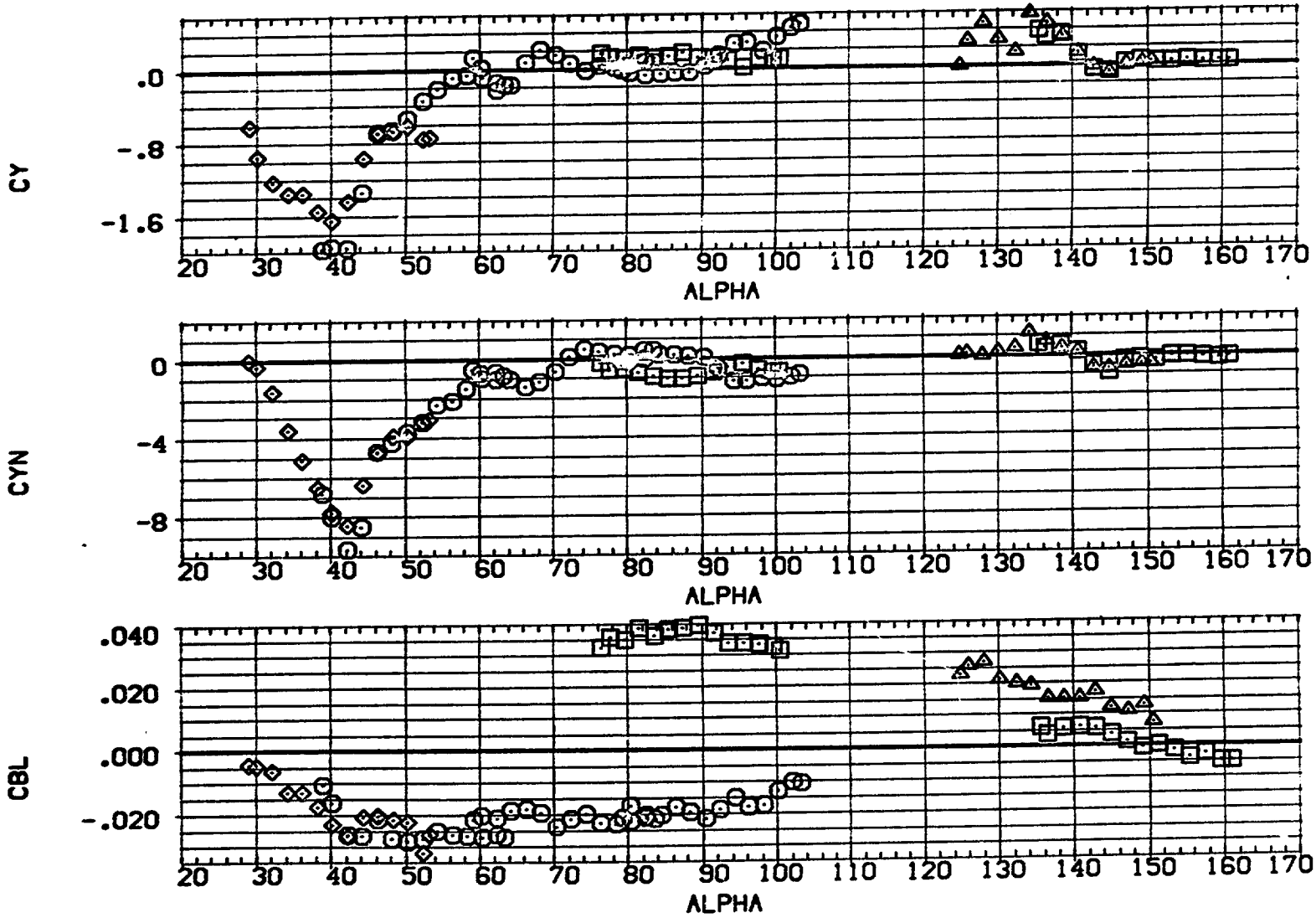


STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPSS03) ○	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	5.100	.000	1.000
(BPSS04) □	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	5.100	.000	1.000
(BPSI28) ◇	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	5.100	.000	1.000
(BPSI29) △	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	5.100	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



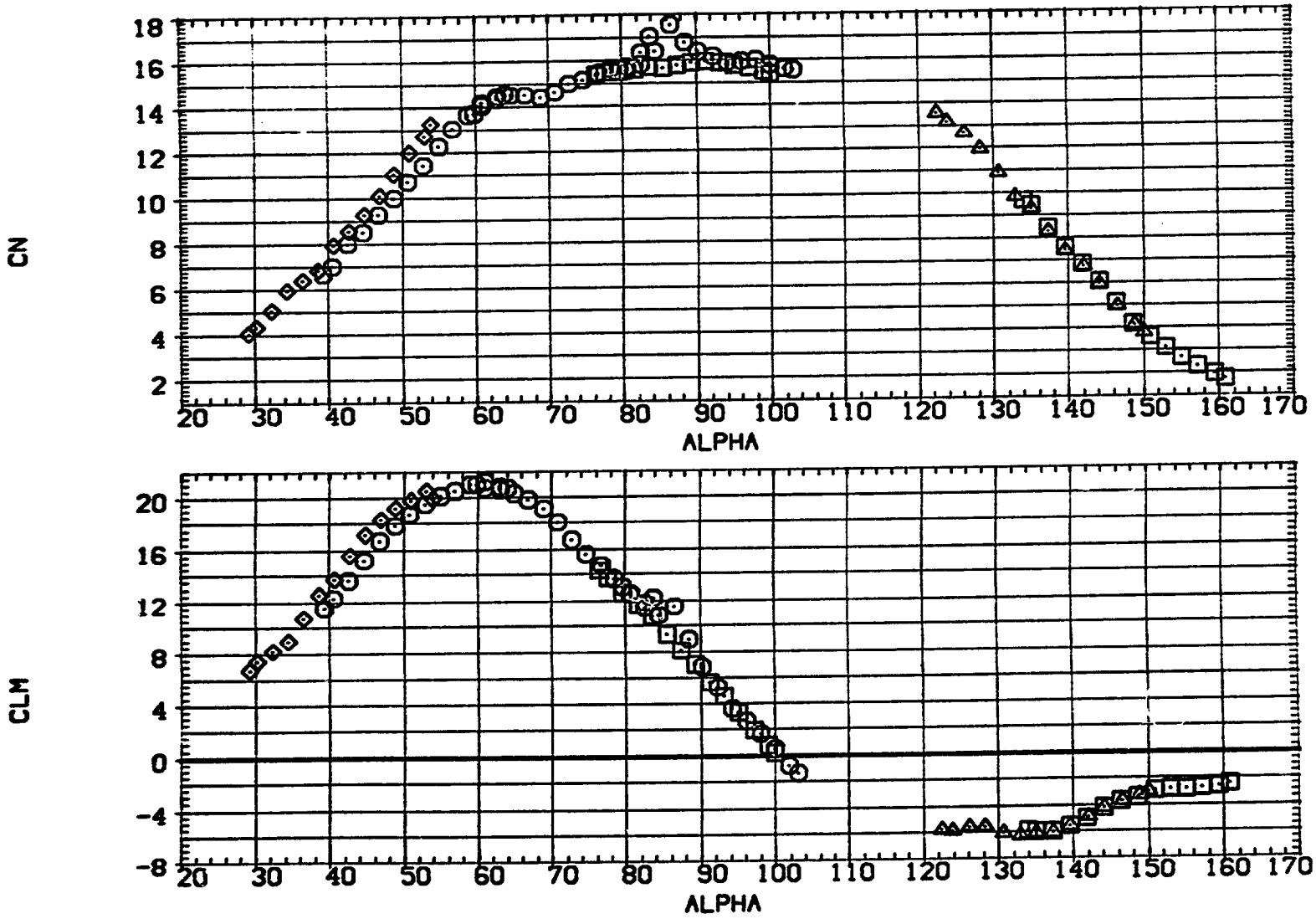
STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPSS05)	○	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	6.100	.000	1.000
(BPSS06)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	6.100	.000	1.000
(BPS135)	◇	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	6.100	.000	1.000
(BPS136)	△	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	6.100	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE

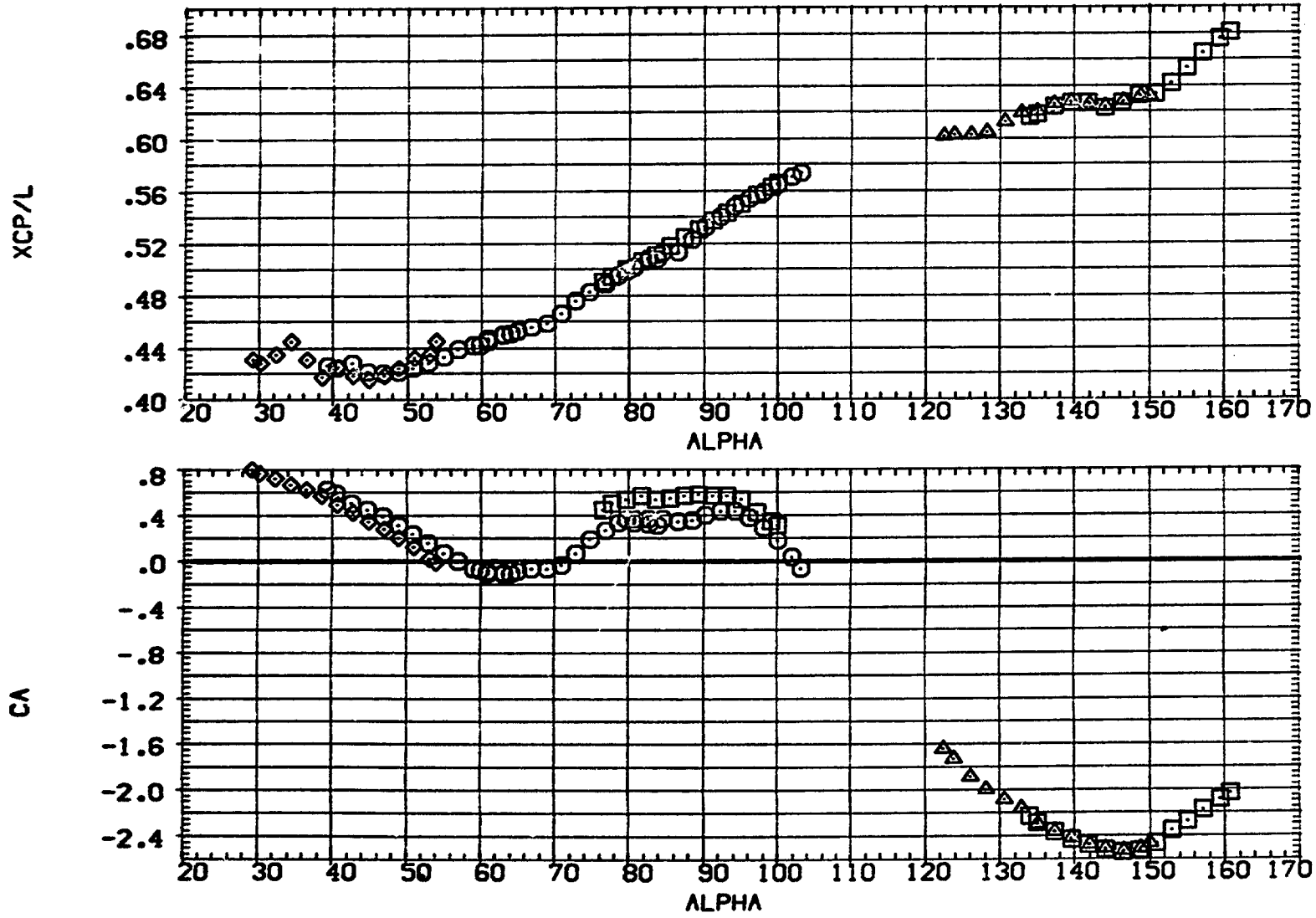


STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPSS05)	○	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	6.100	.000	1.000
(BPSS06)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	6.100	.000	1.000
(BPS135)	◇	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	6.100	.000	1.000
(BPS136)	△	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	6.100	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



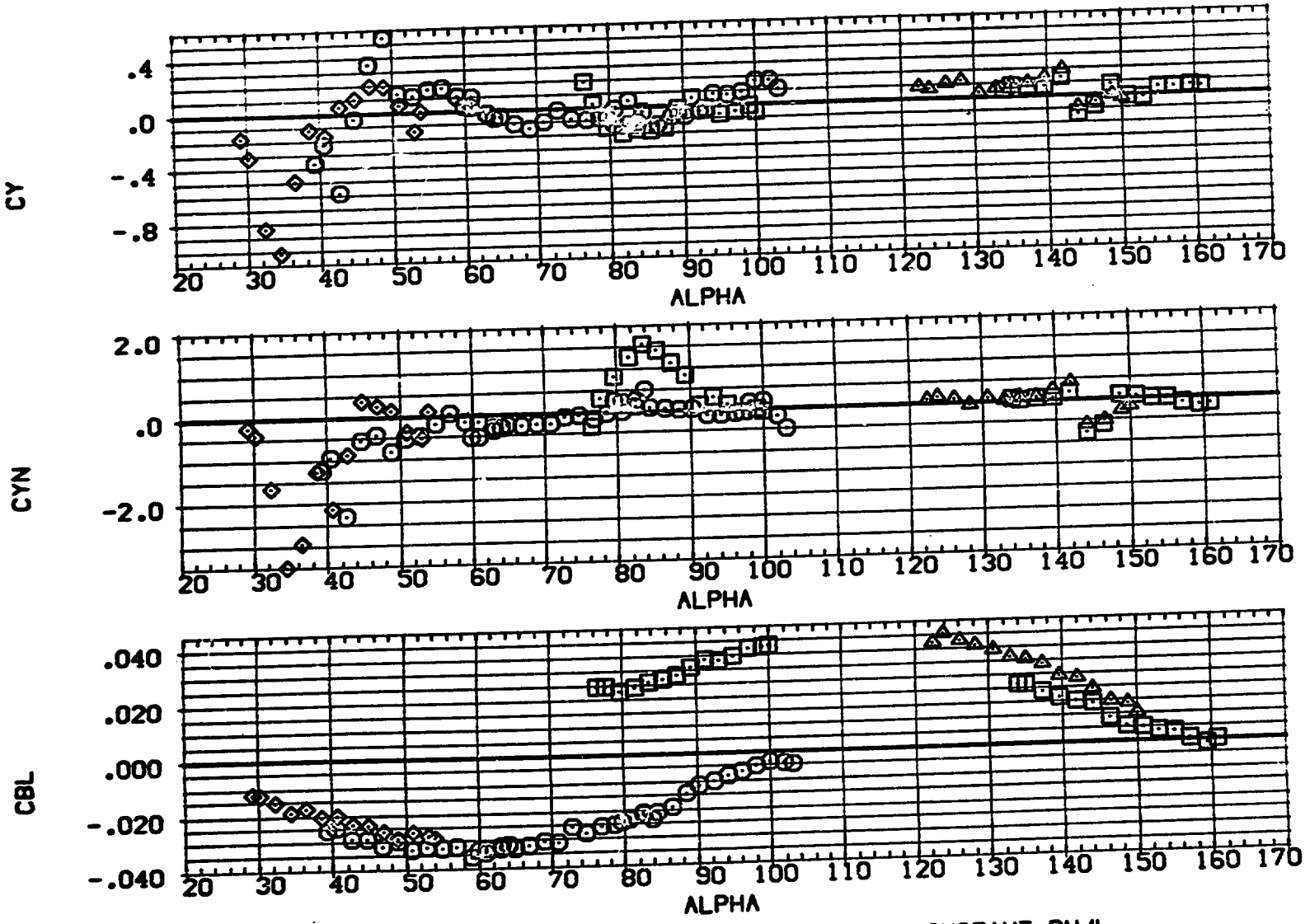
STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = .80

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPSS05)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	6.100	.000	1.000
(BPSS06)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	6.100	.000	1.000
(BPS135)	◇	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	6.100	.000	1.000
(BPS136)	△	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	6.100	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



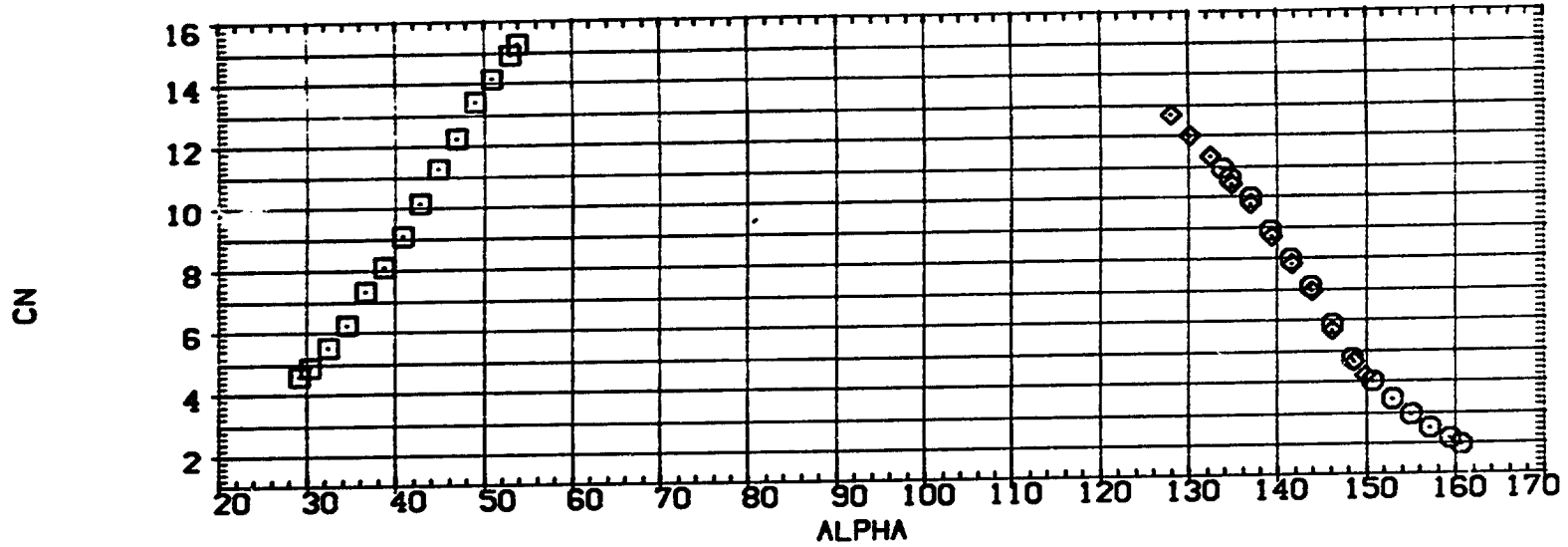
STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

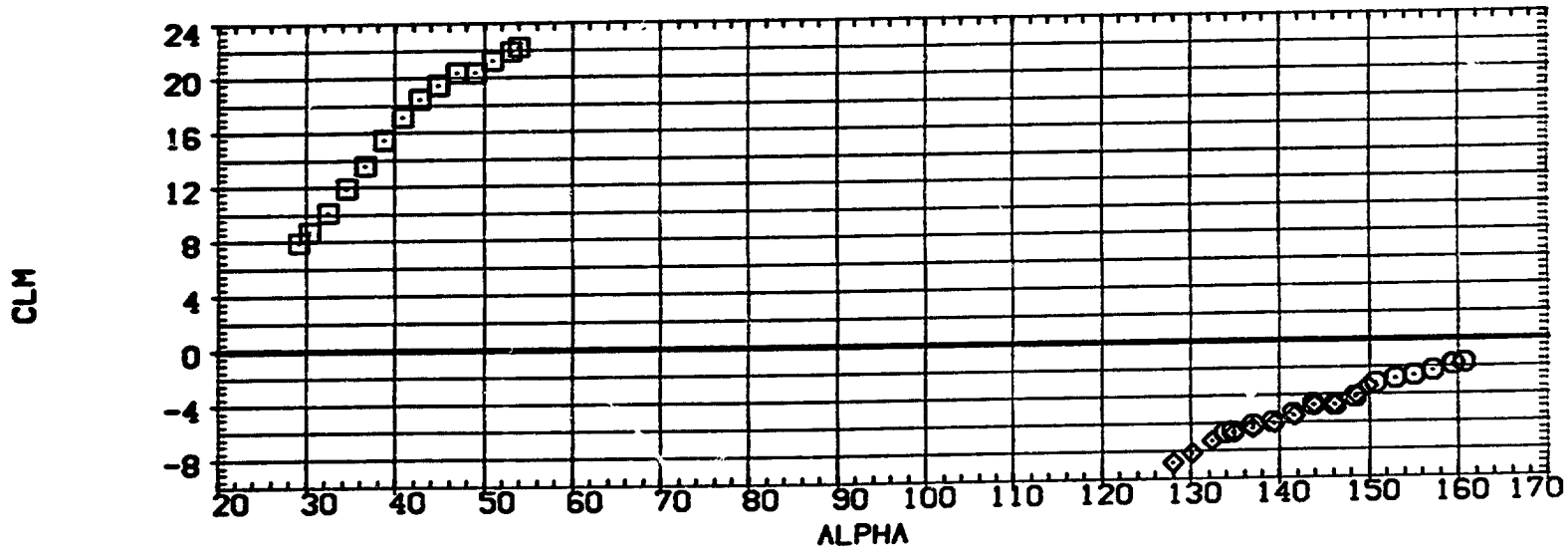
(A)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS137)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	5.500	.000	1.000
(BPS138)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	5.500	.000	1.000
(BPS139)	◇	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	5.500	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



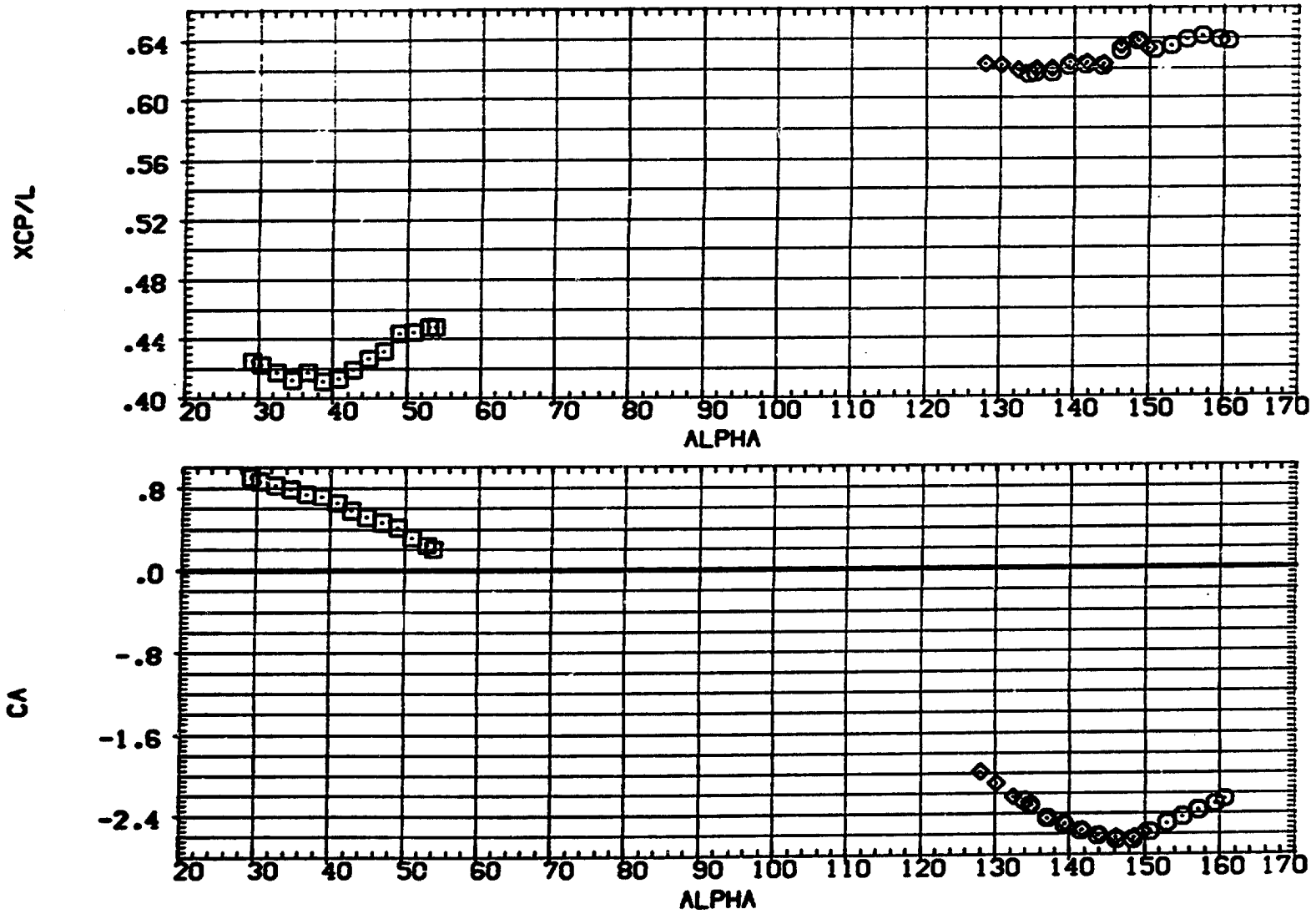


STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS137)	○	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	5.500	.000	1.000
(BPS138)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	5.500	.000	1.000
(BPS139)	◇	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	5.500	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



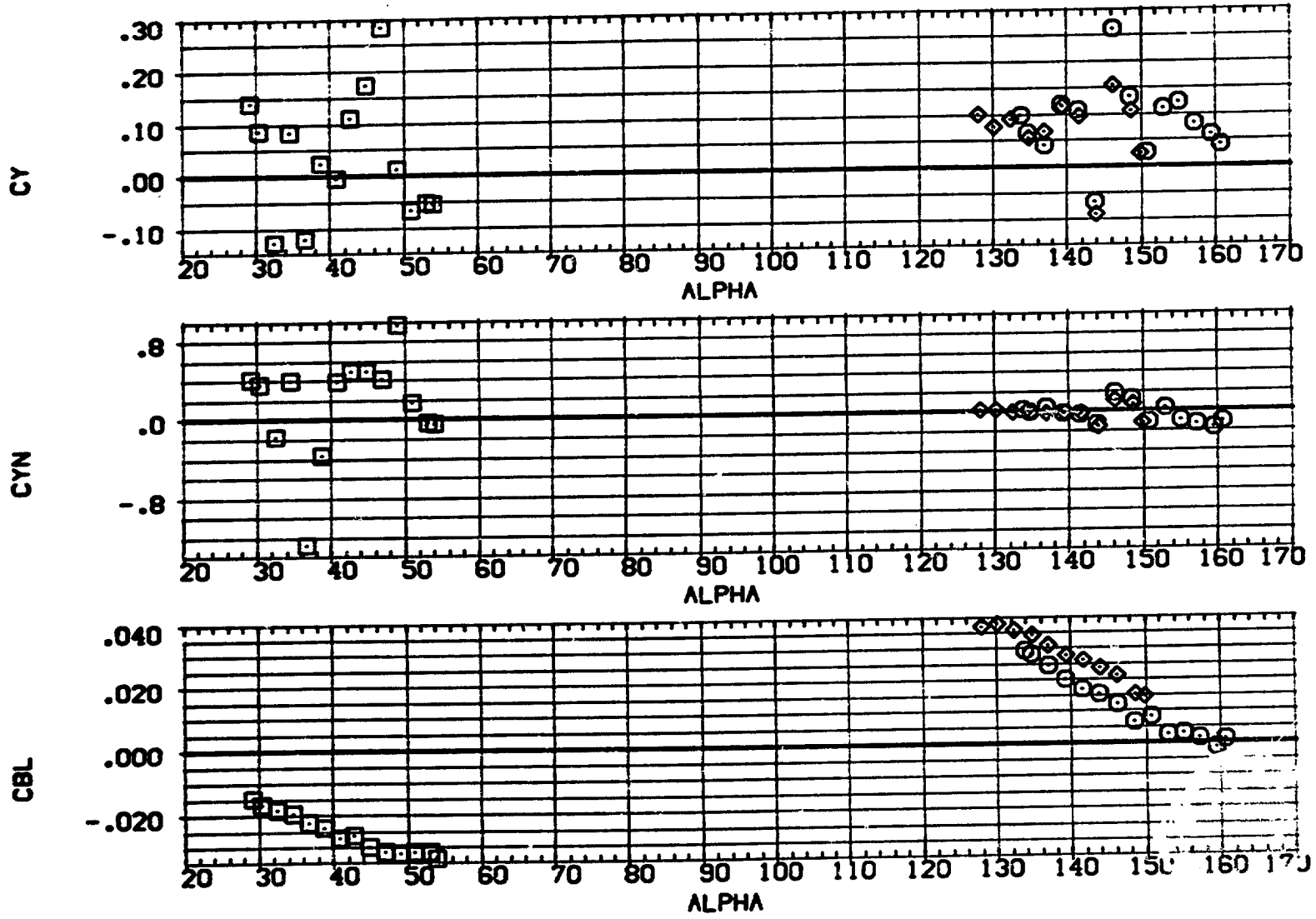
STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS137) ○	LARC BTPT-662(SA-2FB) SRB (NOSE DOWN)	5.500	.000	1.000
(BPS138) □	LARC BTPT-662(SA-2FB) SRB (NOSE UP)	5.500	.000	1.000
(BPS139) ◇	LARC BTPT-662(SA-2FB) SRB (NOSE DOWN)	5.500	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



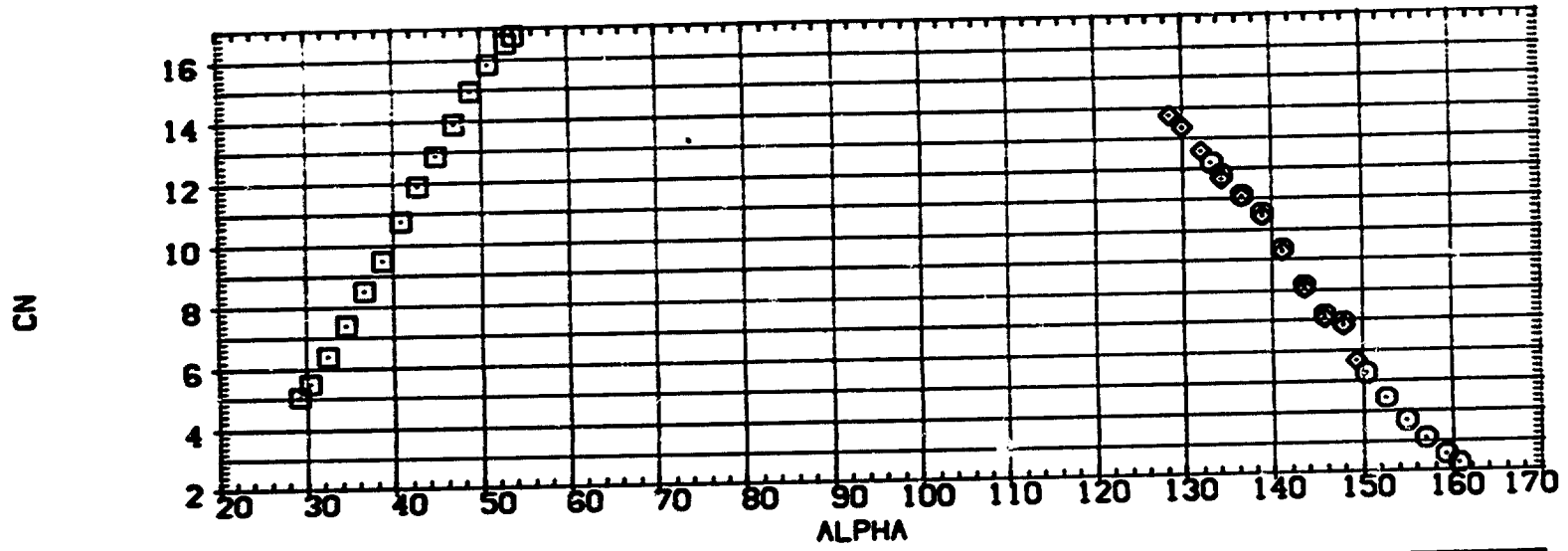
STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

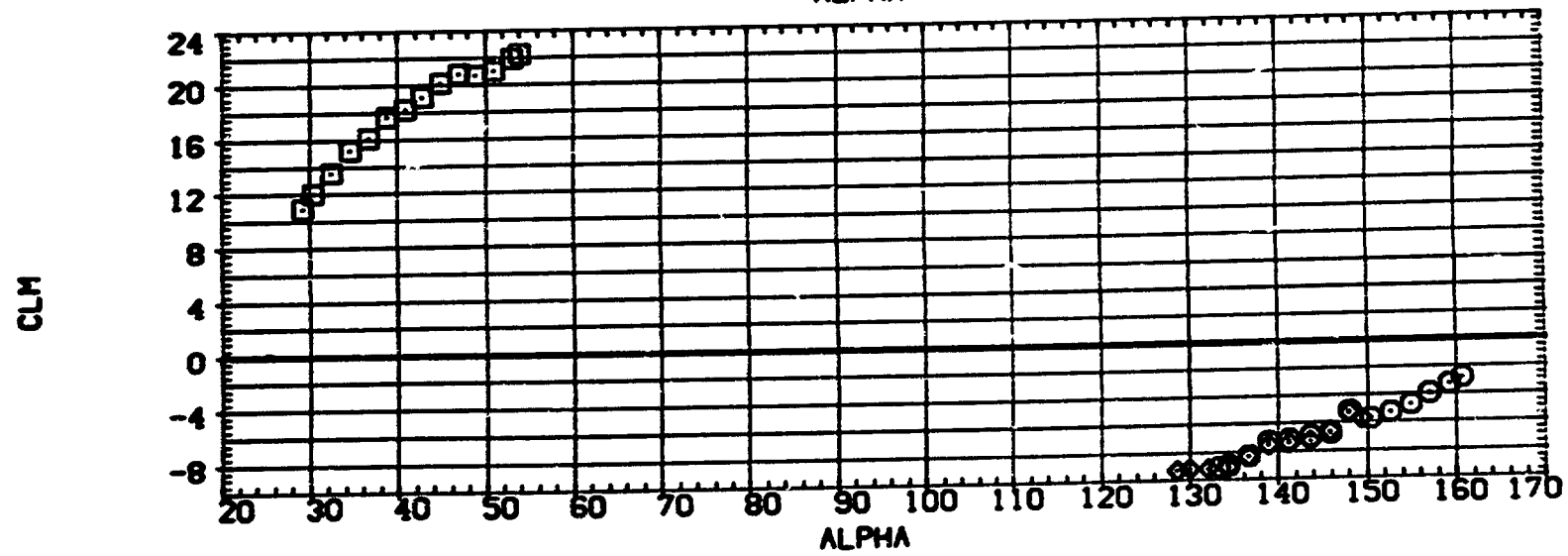
(A)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS140)	○	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	4.900	.000	1.000
(BPS141)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	4.900	.000	1.000
(BPS142)	◇	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	4.900	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS140)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	4.900	.000	1.000
(BPS141)	◇	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	4.900	.000	1.000
(BPS142)	◇	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	4.900	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
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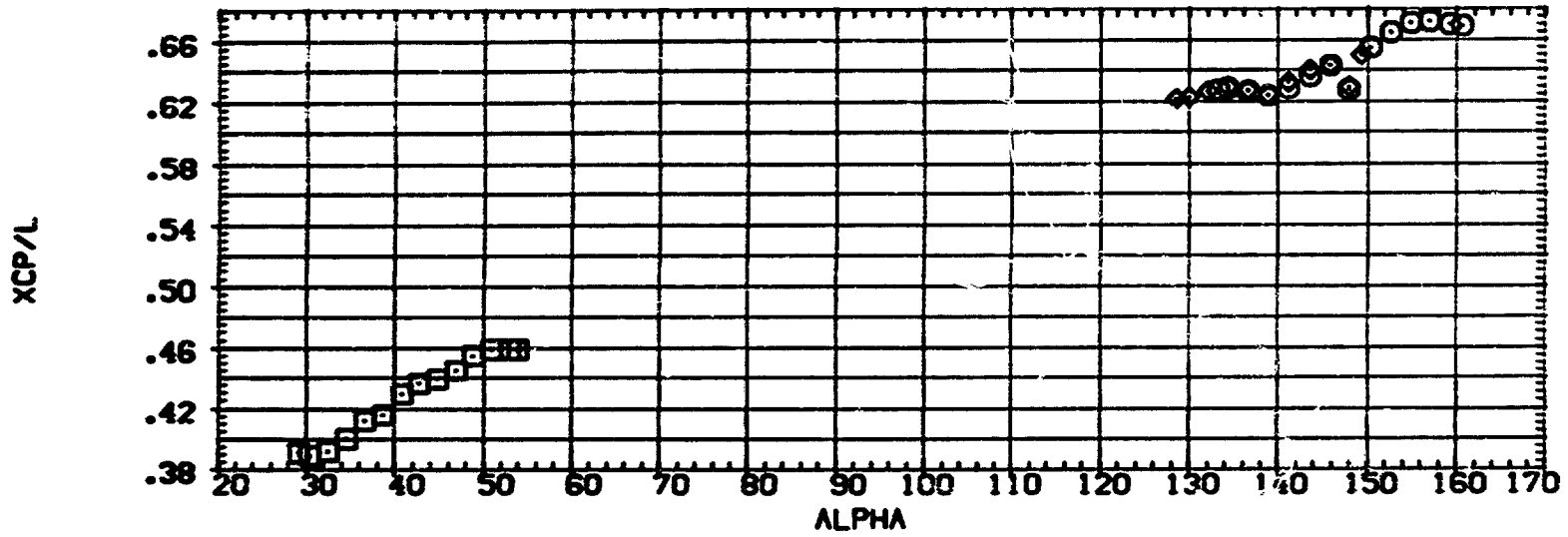
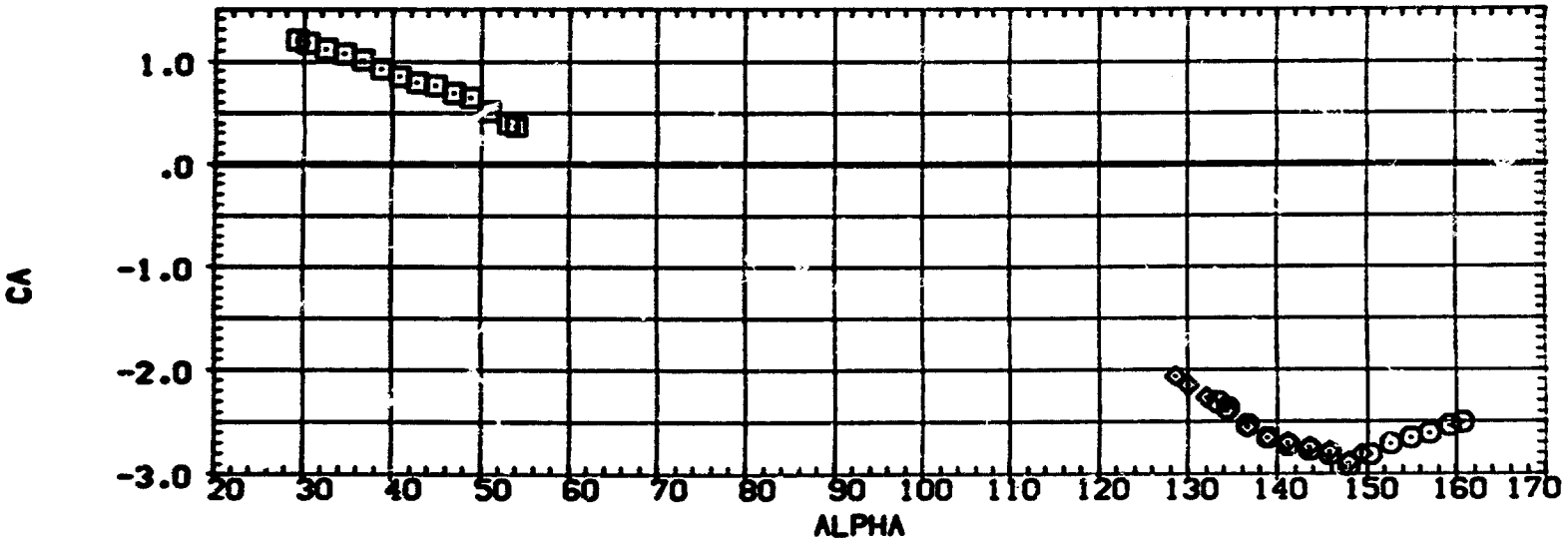
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE





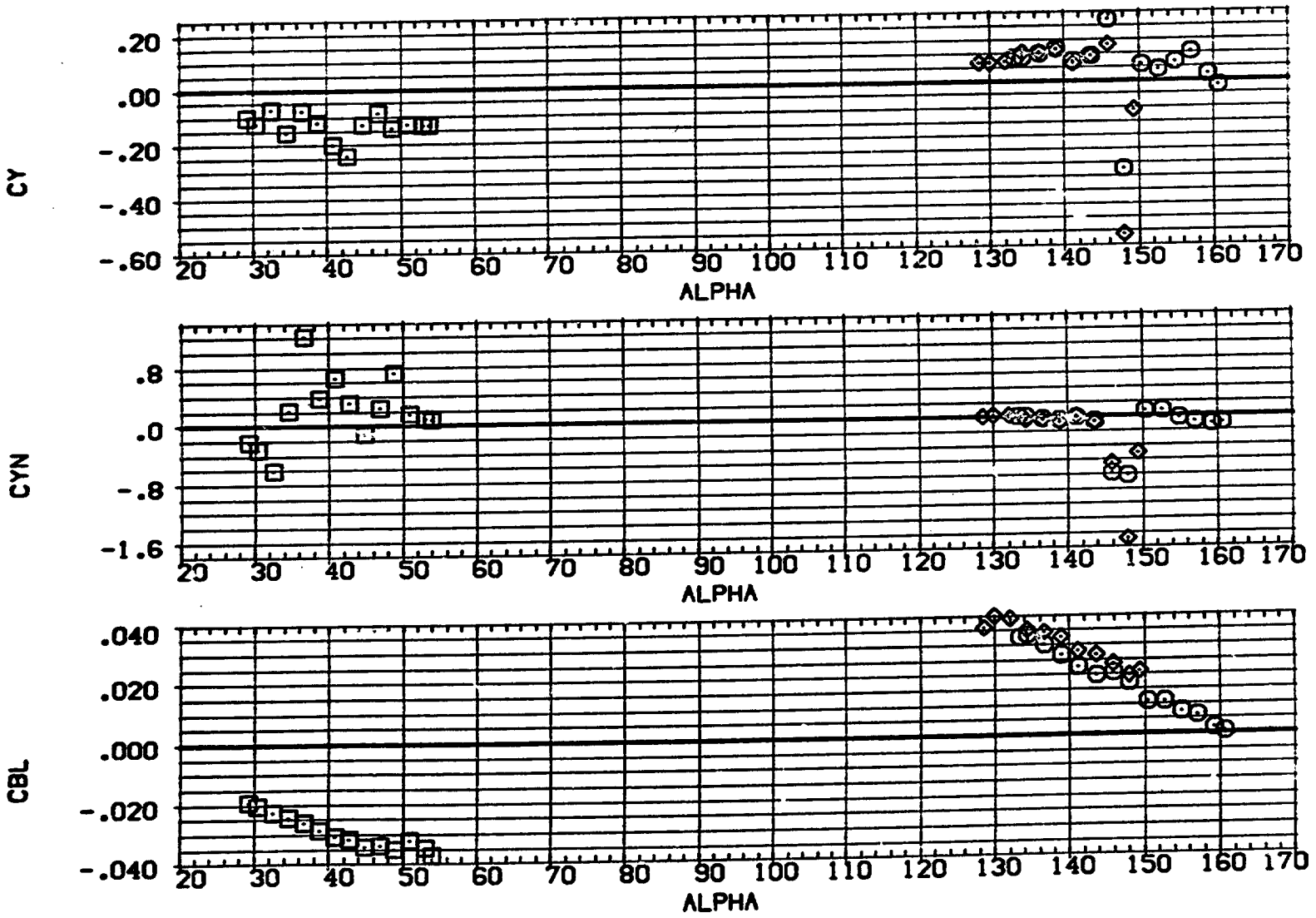
STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = 1.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS140) ○	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	4.900	.000	1.000
(BPS141) □	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	4.900	.000	1.000
(BPS142) ◇	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	4.900	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



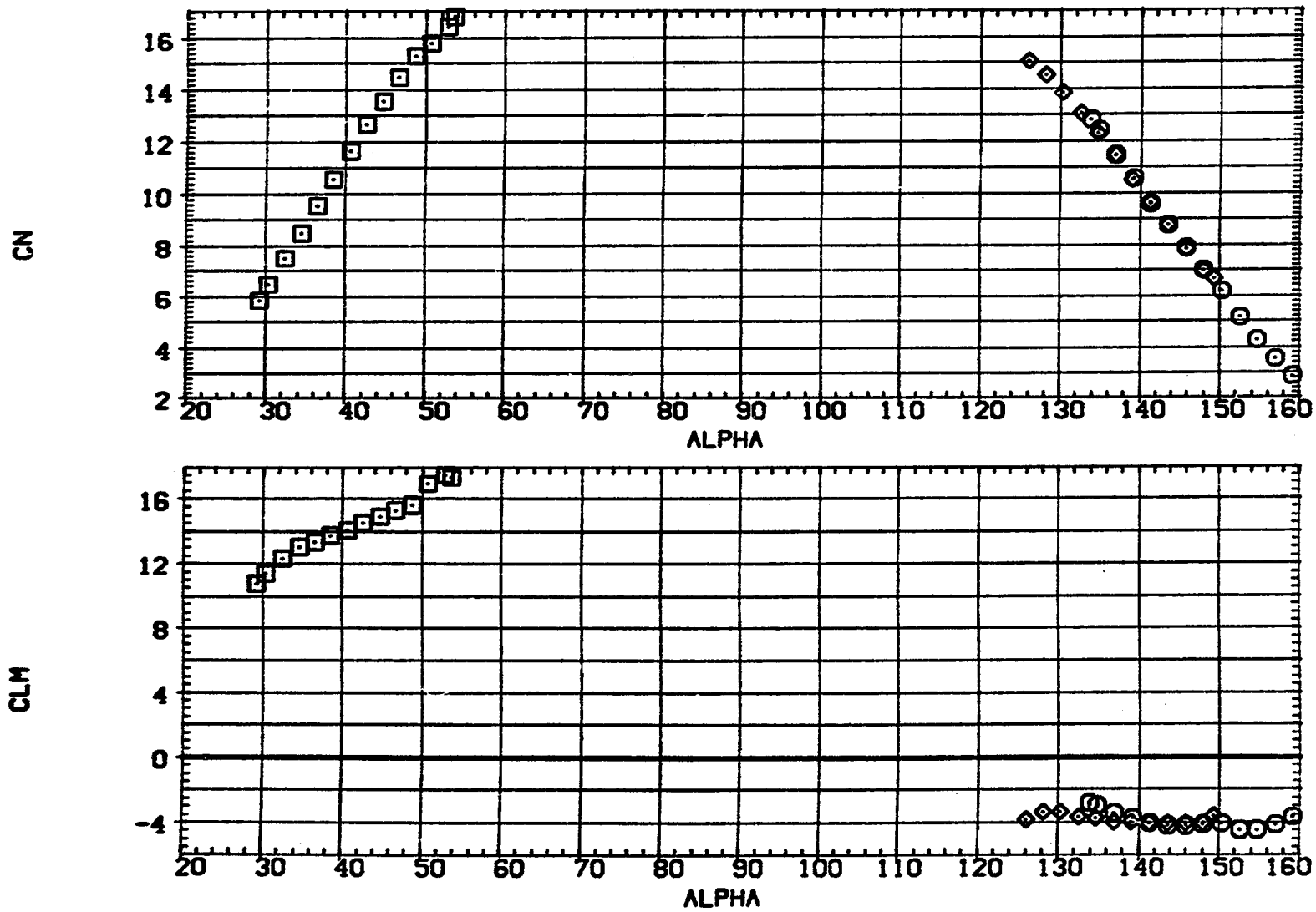
STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = 1.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS143)	○	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	4.200	.000	1.000
(BPS144)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	4.200	.000	1.000
(BPS145)	◇	LARC 8TPT-652(SA-2FB) SRB (NOSE DOWN)	4.200	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



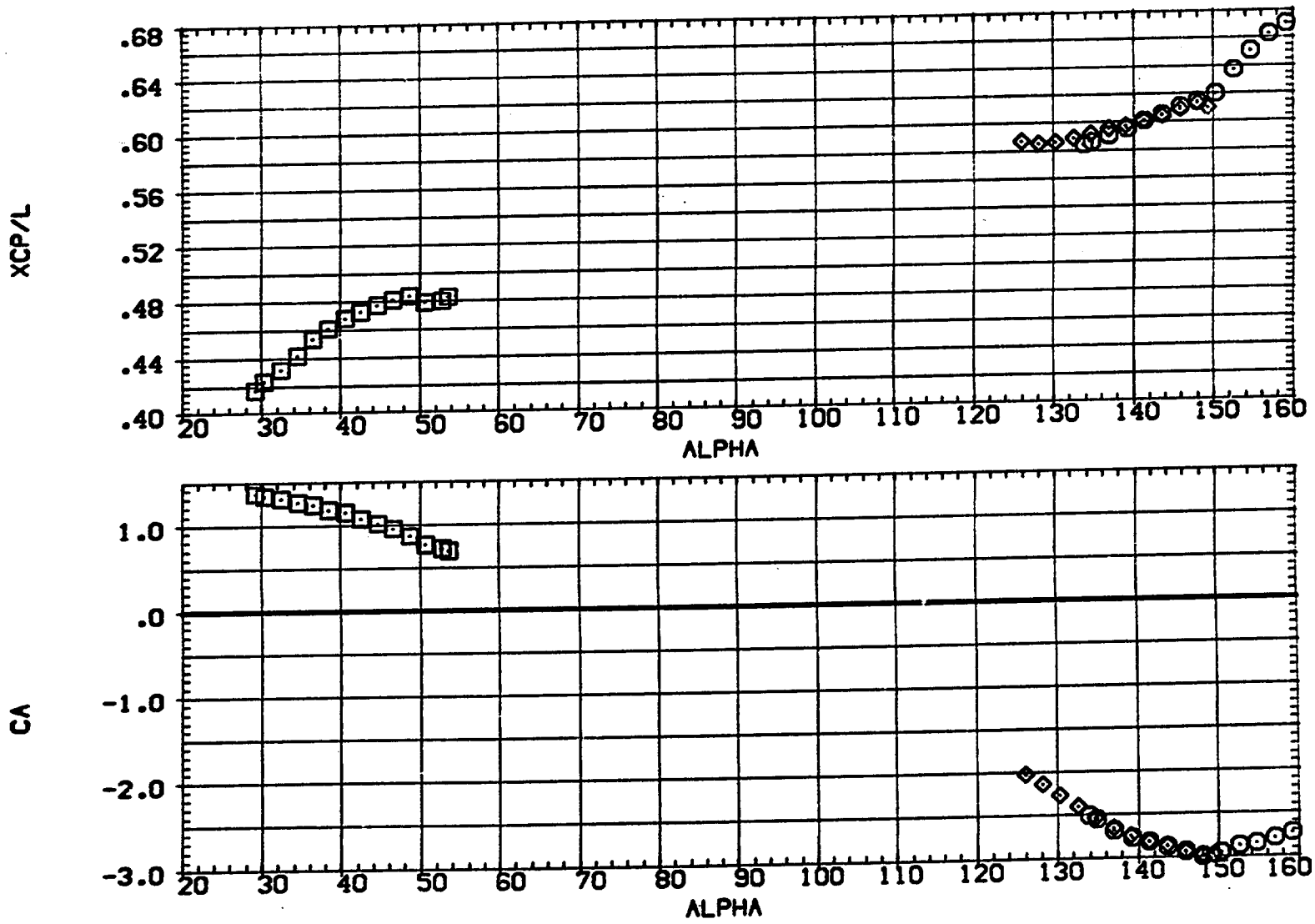
STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS143)	○	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	4.200	.000	1.000
(BPS144)	□	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	4.200	.000	1.000
(BPS145)	◇	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	4.200	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



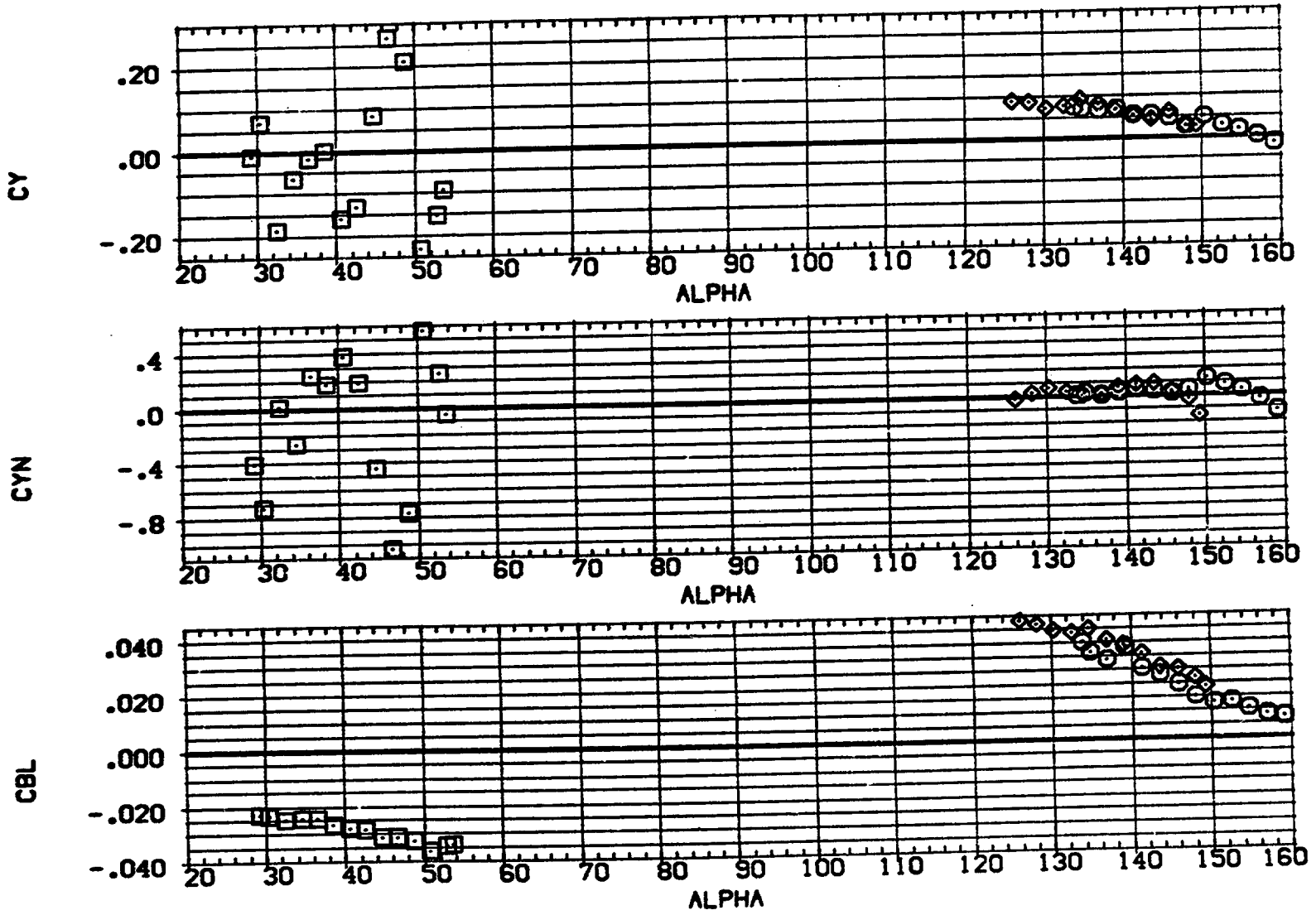
STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	PHI	ATTRNG
(BPS143) ○	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	4.200	.000	1.000
(BPS144) □	LARC 8TPT-662(SA-2FB) SRB (NOSE UP)	4.200	.000	1.000
(BPS145) ◇	LARC 8TPT-662(SA-2FB) SRB (NOSE DOWN)	4.200	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	INCHES
BREF	3.0000	INCHES
XMRP	20.8340	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0211	SCALE



STATIC STABILITY CHARACTERISTICS OF SRB BODY ALONE AT CONSTANT RN/L

(A)MACH = 1.20

APPENDIX A

TABULATED SOURCE DATA

SA2FA (8 TPT-655)

Plotted data tabulations available
on request from DMS.

SA-2F(8TPT-655)SRB (RPS001) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 6/ 0 RN/L = .63 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.402	79.054	-.00354	12.66878	13.23363	.00764	.26361	.26112	2.31938	12.45496	.08775	.00000
.402	80.054	-.00247	12.70486	13.06699	.03203	.14647	.21184	2.09583	12.53120	.09997	.00000
.402	82.021	-.00202	12.37979	11.76852	.03171	.07175	.21088	1.56672	12.28121	.15318	.00000
.402	84.042	-.00265	11.87543	8.46830	.00464	.10983	.26194	.85881	11.85030	.37581	.00000
.402	85.910	-.00232	11.85188	7.20240	-.01980	.16221	.17566	.32916	11.85860	.51752	.00000
.402	87.977	-.00228	11.93937	5.73388	-.02307	.09506	.22466	-.23196	11.95501	.65384	.00000
.402	89.943	-.00213	11.97976	3.98431	-.02590	.11888	.18452	-.75521	11.98052	.76707	.00000
.402	91.970	-.00249	11.93267	2.49229	-.02938	.06050	.27953	-1.17217	11.89940	.76240	.00000
.402	93.838	-.00210	11.92383	1.40116	-.03052	.04994	.23744	-1.49658	11.85023	.70003	.00000
.402	95.900	-.00172	12.04631	1.59695	-.05387	.04164	.19535	-1.76065	11.92852	.52526	.00000
.402	97.909	-.00213	11.91180	1.02841	-.03327	.04905	.24424	-2.10009	11.73445	.46553	.00000
.401	100.068	-.00421	12.07666	.45666	-.04044	.37430	.26254	-2.39821	11.83973	.29144	.00000
.401	101.868	-.00426	11.99152	.01576	-.04161	.43830	.22156	-2.60883	11.70516	.14169	.00000
.401	103.099	-.00341	12.12720	.11454	-.01776	.35725	.17434	-2.81738	11.79561	.07084	.00000
	GRADIENT	-.00004	-.01844	-.57860	-.00258	.00688	-.00042	-.21484	-.02537	.00250	.00000

RUN NO. 20/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.601	79.026	.00045	12.36559	9.95439	-.01688	-.07858	.02110	2.07693	12.19319	.28220	.00000
.601	79.934	.00023	12.30136	9.34254	-.00203	-.05431	.02283	1.82346	12.16999	.33172	.00000
.601	81.881	-.00087	12.24146	8.36369	-.02166	.02562	.06118	1.28219	12.18248	.45122	.00000
.601	83.860	-.00027	12.40541	7.73016	-.00679	-.00737	.03095	.82167	12.38859	.50816	.00000
.601	85.858	-.00117	12.51973	7.00120	-.04253	.04757	.07016	.40266	12.52336	.50290	.00000
.601	87.856	-.00121	12.84003	5.99414	-.02969	.04509	.07554	-.05625	12.85113	.53696	.00000
.601	89.902	-.00012	12.84563	4.66811	-.03023	-.03992	.04360	-.57129	12.84662	.59324	.00000
.602	91.898	-.00037	12.81007	3.26794	-.04888	-.01751	.04833	-1.11479	12.78016	.69097	.00000
.601	93.843	-.00054	12.60817	1.87584	-.06670	-.03969	.06267	-1.55163	12.53236	.70826	.00000
.602	95.838	-.00056	12.62208	.48712	-.05282	-.04234	.08659	-1.90156	12.49345	.62082	.00000
.601	97.836	-.00040	12.55232	-.41489	-.05390	-.02463	.05765	-2.24326	12.36191	.53700	.00000
.601	99.785	-.00031	12.51514	-.83943	-.05457	.03900	-.00235	-2.47254	12.27348	.35075	.00000
.600	103.075	-.00063	12.44215	-1.00119	-.05615	.10944	-.02917	-2.92967	12.09289	.11793	.00000
	GRADIENT	-.00002	.00935	-.51099	-.00228	.00295	-.00092	-.21584	.00151	.00006	.00000

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F(8TPT-655)SRB (RPS001) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 19/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.897	79.116	-.00113	15.92348	12.51114	-.02432	.01936	.06369	2.46283	15.74161	.55373	.00000
.896	79.853	-.00120	16.02171	11.86617	-.01362	.05139	.04246	2.25421	15.87284	.57731	.00000
.897	81.817	-.00249	16.11216	10.27801	.00599	.09460	.09631	1.66906	16.03789	.63076	.00000
.897	83.893	-.00207	16.24476	9.33522	-.01948	.05470	.09925	1.10663	16.21907	.62504	.00000
.896	85.860	-.00228	16.38754	8.43172	-.03375	.03821	.12705	.59491	16.38735	.58970	.00000
.897	87.807	-.00151	16.54783	7.52366	-.02298	.02734	.08192	.04910	16.55818	.58456	.00000
.897	89.851	-.00191	16.40930	6.27971	-.01288	.02942	.10825	-.49125	16.41063	.53390	.00000
.897	91.825	-.00170	16.45453	4.92630	-.02683	.00760	.11126	-1.15895	16.42595	.63514	.00000
.897	93.840	-.00148	16.37650	3.68543	-.03997	-.01368	.11350	-1.69691	16.29945	.60162	.00000
.897	95.855	-.00155	16.27465	2.58121	-.04124	.01761	.09306	-2.16448	16.13804	.50705	.00000
.897	97.829	-.00147	15.99724	1.44429	-.04173	-.01764	.11698	-2.61946	15.78759	.44463	.00000
.896	99.813	-.00108	15.84408	.31527	-.06610	-.02411	.09525	-3.01554	15.55775	.31983	.00000
.896	103.066	-.00128	15.44316	-1.19031	-.03127	-.00752	.09705	-3.62117	15.01315	.12809	.00000
	GRADIENT	.00002	-.01330	-.57026	-.00158	-.00340	.00140	-.26228	-.02282	-.01394	.00000

SA-2F(8TPT-655)SRB (RPS002) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 23/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.196	79.283	-.00313	20.12856	12.72067	-.06979	-.00539	.11723	3.19182	19.88180	.56101	.00000
1.196	79.883	-.00403	20.29977	12.52094	-.07133	.01562	.13226	3.00999	20.08331	.56479	.00000
1.196	81.869	-.00370	20.71887	11.82103	-.07983	-.00556	.13674	2.39184	20.58754	.54390	.00000
1.196	83.844	-.00376	20.87618	11.10877	-.06920	-.00708	.13953	1.74849	20.80867	.49287	.00000
1.196	85.840	-.00253	20.89618	10.58554	-.07537	-.03198	.11576	1.08108	20.87275	.43586	.00000
1.196	87.896	-.00288	21.06287	9.98625	-.07095	-.00653	.10729	.41161	21.06195	.36183	.00000
1.196	89.874	-.00332	21.21981	9.52179	-.07876	-.01270	.13492	-.21067	21.22032	.25745	.00000
1.196	91.621	-.00397	21.28122	9.13363	-.09211	-.01123	.14968	-.85358	21.26484	.17735	.00000
1.196	93.815	-.00355	21.15128	8.52964	-.07991	-.01443	.13774	-1.48967	21.09892	.08253	.00000
1.196	95.796	-.00391	20.88356	7.72960	-.07398	-.01337	.15009	-2.10442	20.77726	-.00469	.00000
1.197	97.824	-.00367	20.48527	6.66554	-.07355	-.00757	.13731	-2.71340	20.30491	-.07594	.00000
1.199	99.802	-.00406	20.09380	5.68747	-.07341	.01035	.13739	-3.23755	19.83214	-.18617	.00000
1.202	105.271	-.00384	19.77000	4.58271	-.07341	.01609	.12619	-4.15642	19.33212	-.39240	.00000
	GRADIENT	-.00002	-.01211	-.32791	-.00013	.00034	.00050	-.31270	-.01775	-.03982	.00000

SA-2F(8TPT-655)SRB (RPS003) (29 OCT 73)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 INCHES
LREF = 3.0000 INCHES YMRP = .0000 INCHES
BREF = 3.0000 INCHES ZMRP = .0000 INCHES
SCALE = .0211 SCALE

PARAMETRIC DATA

BETA = .000 PHI = .000
RN/L = 1.200 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 RTORKS = .000

RUN NO. 8/ 0 RN/L = 1.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.400	79.085	-.00894	12.70414	11.85652	-.03383	.26488	.38920	2.48223	12.45953	-.07816	.00000
.401	80.004	-.00925	12.57270	11.50659	-.01131	.31410	.36691	2.26680	12.36696	-.08565	.00000
.401	81.983	-.00783	11.93468	7.93845	-.01169	.19845	.36293	1.30799	11.86824	.35995	.00000
.400	84.060	-.00846	12.00352	7.12937	-.01398	.29835	.32425	.81361	11.98367	.43096	.00000
.399	86.018	-.01036	12.21291	6.58513	-.02990	.33334	.42403	.30257	12.22140	.54680	.00000
.399	88.016	-.00524	12.15452	5.95138	-.03635	.11885	.25353	-.13588	12.16652	.55706	.00000
.399	90.002	-.00475	12.28220	4.97322	-.03788	.04797	.27812	-.54031	12.28218	.53989	.00000
.399	92.017	-.00666	12.21740	3.82609	-.04167	.11344	.35377	-.96712	12.19092	.53755	.00000
.399	94.104	-.00662	12.35860	3.01074	-.03200	.07939	.37949	-1.32876	12.29504	.44549	.00000
.400	95.981	-.00605	12.32437	2.37842	-.04378	.08777	.33512	-1.62124	12.22196	.33886	.00000
.400	98.077	-.00776	12.22537	1.52343	-.04681	.16773	.38715	-1.92031	12.07535	.20458	.00000
.400	99.965	-.01875	12.07259	1.08318	-.06038	.74268	.66675	-2.17318	11.87569	.08531	.00000
.399	101.893	-.01900	12.02218	.48056	-.06152	.93797	.53733	-2.44456	11.77107	-.03365	.00000
.399	103.122	-.01852	11.98769	.22346	-.03830	.93336	.51441	-2.61055	11.70055	-.11384	.00000
	GRADIENT	-.00035	-.01247	-.45710	-.00135	.02042	.00762	-.20601	-.01702	-.00616	.00000

RUN NO. 7/ 0 RN/L = 1.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.399	79.123	-.00280	13.20397	10.24645	-.02562	-.08769	.19466	2.22002	13.01894	.27647	.00000
.401	80.032	-.00263	13.21818	9.86950	-.01844	-.08791	.19475	1.97381	13.07388	.31906	.00000
.399	82.036	-.00332	13.17964	9.11564	-.01996	-.05211	.19838	1.41914	13.10946	.41090	.00000
.399	84.149	-.00363	13.19701	8.18101	-.02960	-.01917	.18662	.87583	13.17638	.47199	.00000
.399	85.945	-.00390	13.27664	7.48418	-.03123	-.00788	.18937	.46113	13.27727	.47890	.00000
.400	88.029	-.00430	13.34965	6.48501	-.04132	.04774	.16171	-.02333	13.35836	.46269	.00000
.402	90.103	-.00383	13.23848	5.54501	-.01780	.02048	.16145	-.48335	13.23763	.45956	.00000
.400	92.127	-.00304	13.26075	4.61897	-.03455	.01266	.13160	-.98157	13.23344	.48984	.00000
.400	93.889	-.00448	13.23750	3.51534	-.03714	.03219	.18370	-1.40295	13.17268	.50633	.00000
.399	95.910	-.00618	13.27034	2.20885	-.04828	.14154	.17507	-1.78441	13.15654	.42022	.00000
.400	98.033	-.00785	13.29785	1.05076	-.05122	.25091	.16595	-2.18933	13.12066	.33441	.00000
.399	100.054	-.00655	13.13145	-.09135	-.03472	.21792	.13342	-2.48758	12.89520	.19818	.00000
.399	101.956	-.00756	13.06146	-.89363	-.03625	.39020	.04353	-2.78297	12.76181	.08287	.00000
.399	103.146	-.00847	13.11366	-1.35577	-.03778	.51757	-.01516	-2.96750	12.77349	-.01535	.00000
	GRADIENT	-.00023	-.00338	-.49720	-.00083	.02047	-.00579	-.21794	-.01154	-.01075	.00000

SA-2F (STPT-655) SRB (RPS003) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 5/ 0 RN/L = 1.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.898	79.216	-.00604	16.35650	12.81327	-.03722	.07905	.14706	2.55531	16.46924	.57130	.00000
.898	79.992	-.00607	16.72116	12.38298	-.03800	.07820	.14648	2.33997	16.56659	.57458	.00000
.899	82.065	-.00640	17.01235	11.30800	-.04070	.06514	.15334	1.77078	16.93000	.58350	.00000
.899	84.008	-.00539	17.20726	10.38681	-.04202	.05264	.14365	1.22103	17.17363	.57851	.00000
.899	85.980	-.00569	17.41340	9.42520	-.03827	.05995	.14757	.65604	17.41024	.56605	.00000
.899	88.091	-.00655	17.51667	8.37112	-.04647	.06212	.17511	.05359	17.52461	.53014	.00000
.899	89.933	-.00642	17.66793	7.39042	-.04231	.06717	.16631	-.54444	17.66858	.56501	.00000
.899	91.950	-.00568	17.63848	6.04493	-.05521	.01975	.17944	-1.14561	17.60969	.54563	.00000
.899	93.847	-.00445	17.51067	4.71293	-.04952	.01074	.14458	-1.68482	17.43692	.51118	.00000
.899	95.931	-.00515	17.27106	3.21552	-.05070	-.00406	.18149	-2.21458	17.13394	.43234	.00000
.899	97.817	-.00470	17.01265	1.97204	-.05675	-.00834	.17012	-2.65635	16.80754	.34563	.00000
.899	100.004	-.00528	16.79406	.72856	-.05765	.00117	.18377	-3.13622	16.50012	.22223	.00000
.899	102.001	-.00528	16.57290	-.48192	-.04627	.01577	.17304	-3.56427	16.18554	.12096	.00000
.900	103.193	-.00545	16.31616	-1.17448	-.04618	.02411	.17292	-3.77858	15.87270	.05631	.00000
	GRADIENT	.00005	-.01188	-.59161	-.00062	-.00354	.00132	-.27105	-.02329	-.01971	.00000

ORIGINAL PAGE IS
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SA-2F(8TPT-655)SRB (RPS004) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 10/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.399	79.147	-.02069	10.79143	9.80566	-.03235	.33058	.58575	1.87013	10.62942	.16464	.00000
.398	80.157	-.01735	10.84094	9.66675	-.02398	.42157	.36521	1.65126	10.71641	.20505	.00000
.398	82.172	-.02328	10.98798	8.92295	-.04295	.58079	.47292	1.22708	10.92264	.27199	.00000
.399	84.009	-.02375	11.16245	7.20760	-.03903	.62571	.44984	.75098	11.14493	.41626	.00000
.399	86.441	-.03028	11.24377	5.98743	-.04500	1.33729	.12790	.21605	11.25207	.48295	.00000
.399	88.106	-.04123	11.28060	5.34513	-.04664	1.69874	.10858	-.06557	11.28893	.43866	.00000
.399	90.010	-.05308	11.22464	4.67944	-.04892	2.26295	.29257	-.36161	11.22457	.35959	.00000
.398	91.906	-.02037	11.27937	4.08846	-.04785	.93347	.06218	-.69495	11.26249	.31997	.00000
.399	94.053	-.01686	11.21554	3.67267	-.01837	.45088	.31277	-.96601	11.17522	.17368	.00000
.399	95.910	-.01440	11.03834	3.28718	-.03066	.12092	.48372	-1.12089	10.98129	-.01573	.00000
.399	97.993	-.01928	10.98818	2.49161	-.04105	.99638	-.02982	-1.31322	10.91159	-.21691	.00000
.398	99.955	-.02290	10.77064	1.65296	-.03015	1.01178	.11186	-1.49692	10.67255	-.37069	.00000
.398	101.889	-.03386	10.64141	.95302	-.05933	1.53000	.14690	-1.69858	10.51709	-.50463	.00000
.398	103.143	-.03246	10.34590	.38847	-.03713	1.45495	.15697	-1.77959	10.20866	-.58835	.00000
	GRADIENT	-.00012	-.01404	-.38343	-.00014	.02423	-.01416	-.15175	-.01509	-.03567	.00000

RUN NO. 9/ 0 RN/L = 2.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.398	79.184	-.00960	13.07172	9.91084	-.03551	.06091	.22540	2.09712	12.90749	.36224	.00000
.600	80.238	-.00857	13.04480	9.33761	-.03095	-.09101	.31794	1.81371	12.92441	.40387	.00000
.599	82.093	-.00239	13.16401	8.73758	-.03474	-.82918	.74390	1.36245	13.10115	.45281	.00000
.598	84.035	.00085	13.25566	8.04978	-.02963	-1.03431	.81947	.89853	13.23394	.48159	.00000
.600	86.021	.00027	13.14788	6.84812	-.03506	-.38083	.30307	.40296	13.15162	.51060	.00000
.599	87.975	.00129	13.15517	6.12623	-.03057	-.34762	.24741	-.01860	13.16407	.48429	.00000
.600	90.141	.00698	14.18018	6.78407	-.04094	-.53197	.23846	-.42654	14.15917	.39366	.00000
.600	92.013	.00413	13.19858	4.40518	-.03626	-.37702	.19161	-.94269	13.17359	.47927	.00000
.599	93.833	.00396	13.29017	3.46206	-.04256	-.35240	.17595	-1.32030	13.23151	.43282	.00000
.600	96.126	.00725	13.19069	2.16814	-.04198	-.56703	.25804	-1.71049	13.08286	.30422	.00000
.598	97.864	.00471	13.12281	1.07129	-.04410	-.53524	.30120	-2.00200	12.97087	.20857	.00000
.599	100.029	-.00045	12.95485	-.07059	-.04242	-.43164	.36478	-2.35516	12.73937	.10065	.00000
.599	101.831	-.00065	13.00303	-.76899	-.04343	-.43917	.37688	-2.64024	12.73219	-.02637	.00000
.599	103.188	-.01221	13.00321	-1.11217	-.03031	-.04844	.39177	-2.84846	12.68797	-.12136	.00000
	GRADIENT	.00016	-.00516	-.47462	-.00036	.00154	-.00572	-.20730	-.01288	-.01969	.00000

SA-2F(8TPT-655)SRB (RPS004) (29 OCT 73)

REFERENCE DATA

SREF =	7.065 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 4/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.898	79.405	-.01020	16.88042	12.82198	-.04598	.07104	.15693	2.56823	16.69280	.54478	.00000
.898	79.903	-.01113	17.00283	12.57321	-.05067	.08301	.16615	2.41985	16.83861	.54599	.00000
.898	81.900	-.00974	17.27901	11.59175	-.05231	.05125	.16181	1.87168	17.18615	.55037	.00000
.898	83.949	-.00865	17.49853	10.69484	-.05735	.01100	.17118	1.31594	17.45707	.53162	.00000
.899	85.986	-.00917	17.71192	9.71797	-.05230	.01023	.18185	.73735	17.70373	.50370	.00000
.899	87.925	-.00796	17.81698	8.82833	-.05684	-.00556	.16946	.14612	17.82339	.49986	.00000
.898	89.916	-.00874	17.83106	7.75302	-.05840	.01925	.16530	-.49366	17.83180	.51982	.00000
.899	91.947	-.00871	17.83666	6.57958	-.06321	.00702	.17457	-1.07121	17.81055	.46533	.00000
.899	93.917	-.00907	17.72545	5.38963	-.06059	.00619	.18318	-1.62628	17.65560	.41641	.00000
.899	95.864	-.00783	17.60651	4.04450	-.06460	-.00017	.16306	-2.14147	17.47919	.34458	.00000
.899	97.854	-.00811	17.27750	2.47215	-.06502	-.00150	.17065	-2.63111	17.07816	.27263	.00000
.900	99.935	-.00696	16.96019	.87987	-.06137	-.01242	.15633	-3.09279	16.67667	.16930	.00000
.899	101.820	-.00606	16.66869	-.40457	-.06475	-.01715	.14210	-3.48397	16.30068	.07109	.00000
.899	103.243	-.00709	16.42031	-1.29422	-.05790	.00976	.14290	-3.73488	15.99993	-.02732	.00000
	GRADIENT	.00015	-.01747	-.59247	-.00059	-.00293	-.00063	-.27264	-.02795	-.02167	.00000

RUN NO. 22/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.201	79.541	-.00682	20.22107	12.64464	-.06667	-.01074	.12776	3.12198	19.98641	.55805	.00000
1.201	79.901	-.00649	20.28722	12.54799	-.06701	-.00729	.12243	3.00223	20.07177	.56402	.00000
1.199	81.882	-.00862	20.53434	11.88059	-.06962	.01753	.13960	2.38046	20.46324	.53299	.00000
1.199	83.879	-.00701	20.62705	11.13067	-.06699	-.02625	.14597	1.71922	20.56095	.48306	.00000
1.200	85.947	-.00806	20.64460	10.46973	-.07115	.00035	.14256	1.04215	20.62252	.41815	.00000
1.200	87.901	-.00768	20.77797	10.02266	-.06592	-.01023	.14429	.42762	20.77625	.33376	.00000
1.200	89.883	-.00804	20.98981	9.42717	-.07360	-.00669	.14773	-.21748	20.99030	.26044	.00000
1.199	91.872	-.00831	21.00443	8.83394	-.07130	-.00293	.14941	-.86272	20.98744	.17666	.00000
1.200	93.811	-.00848	20.94545	8.25047	-.07174	-.00761	.15645	-1.48489	20.[illegible]226	.09299	.00000
1.201	95.797	-.00745	20.79051	7.58950	-.07151	-.00721	.13831	-2.10976	20.68319	.01001	.00000
1.202	97.816	-.00803	20.47919	6.69638	-.07140	.00593	.13835	-2.71278	20.29885	-.07277	.00000
1.200	99.790	-.00868	20.09440	5.66798	-.07121	.01153	.15012	-3.23799	19.83251	-.16751	.00000
1.202	103.493	-.01013	19.63329	4.50310	-.06795	.02670	.16243	-4.16724	19.18556	-.39103	.00000
	GRADIENT	-.00009	-.01273	-.33299	-.00014	.00092	.00097	-.31231	-.01888	-.03904	.00000

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SA-2F (8TPT-655) SRB (RPS003) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 24/ 0 RN/L = 2.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
1.199	79.792	-.00492	20.13578	12.53870	-.07225	-.04968	.09957	3.01427	19.91685	.56298	.00000
1.198	81.890	-.00659	20.45756	11.85144	-.07046	-.04579	.11593	2.37174	20.32625	.51957	.00000
1.198	83.880	-.00946	20.52533	11.11125	-.07004	-.00854	.11935	1.71743	20.45875	.46985	.00000
1.199	85.891	-.00931	20.54308	10.42974	-.07278	-.01302	.12088	1.06550	20.51947	.40741	.00000
1.200	87.851	-.00926	20.67396	9.95341	-.07169	-.03107	.13473	.43578	20.67215	.33956	.00000
1.199	89.033	-.00819	20.77436	9.58491	-.07423	-.04795	.13580	.05864	20.77633	.29208	.00000
1.200	89.837	-.00864	20.84656	9.32739	-.06873	-.04771	.14090	-.19927	20.84721	.25844	.00000
1.200	91.831	-.00941	20.66959	8.73843	-.07565	-.03908	.14304	-.83499	20.85355	.16812	.00000
1.200	93.813	-.00803	20.81705	8.11867	-.07879	-.05945	.14347	-1.46478	20.76561	.08067	.00000
1.200	95.793	-.00843	20.71564	7.50155	-.07596	-.05401	.14415	-2.08986	20.60995	-.00120	.00000
1.200	97.793	-.00870	20.45078	6.64833	-.07382	-.03501	.13227	-2.68339	20.27417	-.09057	.00000
1.200	99.701	-.01225	20.14076	5.73115	-.07224	.02087	.12971	-3.21630	19.88311	-.17996	.00000
1.199	100.931	-.01260	19.92049	5.20680	-.06788	.03230	.12533	-3.53549	19.60578	-.24630	.00000
1.200	103.658	-.01275	19.65822	4.59149	-.07355	.02660	.13331	-4.23418	19.20139	-.41966	.00000
	GRADIENT	-.00024	-.02069	-.33551	-.00006	.00238	.00096	-.30881	-.03186	-.04118	.00000

SA-2F(8TPT-655)SRB (RPS006) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 2/ 0 RN/L = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.399	79.081	.01865	7.92546	5.05227	-.05997	-.60679	.12037	1.28133	7.82440	.22382	.00000
.400	81.104	.04402	8.09618	5.09328	-.06212	-.99837	-.29734	.92026	8.05072	.33580	.00000
.400	82.998	.09804	8.07155	5.29533	-.05334	-1.99601	-.51045	.62653	8.05526	.36017	.00000
.400	84.990	.06460	8.21368	4.72439	-.06330	-1.52925	-.32981	.34740	8.21473	.37131	.00000
.400	86.776	.03647	8.26443	4.44004	-.05514	-.95578	-.13225	.10433	8.27165	.36096	.00000
.399	88.670	.02103	8.35114	3.96320	-.06631	-.14596	-.59057	-.11094	8.35596	.30485	.00000
.400	90.343	.00513	8.33339	3.56185	-.06904	.25989	-.55062	-.28351	8.33184	.23339	.00000
.400	92.232	-.03963	8.15705	2.75970	-.06384	1.17564	-.12766	-.42185	8.14680	.10422	.00000
.399	94.107	-.05425	8.08337	1.78811	-.05883	1.61699	-.17948	-.63271	8.05875	.05386	.00000
.400	96.039	-.06871	8.00894	.59345	-.05382	2.19439	-.42419	-.83726	7.96607	-.00552	.00000
.400	98.099	-.05442	7.96870	-.10736	-.06049	1.90391	-.55543	-1.01258	7.90481	-.10564	.00000
.399	100.205	-.07570	7.79315	-1.05532	-.06177	2.50135	-.54911	-1.15584	7.71035	-.22844	.00000
.399	102.231	-.10977	7.56533	-1.90817	-.06801	3.41214	-.46991	-1.24375	7.47156	-.37005	.00000
.400	103.037	-.11688	7.50592	-2.22856	-.05857	3.59031	-.43205	-1.27711	7.40879	-.42703	.00000
	GRADIENT	-.00763	-.02074	-.33631	-.00010	.22102	-.01285	-.10421	-.02294	-.03220	.00000

RUN NO. 21/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.600	79.441	.01261	16.37996	9.91943	-.05820	-.69432	.36703	2.78891	16.14223	.21623	.00000
.599	80.143	.01239	16.72933	9.76166	-.06253	-.73268	.40183	2.62398	16.52406	.24350	.00000
.600	82.108	.02573	17.12069	9.21092	-.06093	-.91656	.34405	2.09066	16.99458	.26235	.00000
.599	84.142	.03084	17.72588	8.79949	-.06151	-.98557	.32431	1.55657	17.63923	.25403	.00000
.599	86.138	.02742	18.17383	10.16835	-.06393	-.92265	.32457	.99617	18.14795	.22647	.00000
.600	88.174	.02154	18.53716	10.98795	-.06637	-.89857	.36783	.40078	18.53380	.19009	.00000
.600	90.183	.03080	18.84856	11.56786	-.06187	-1.05680	.38294	-.18575	18.84807	.12570	.00000
.600	92.197	.03265	18.00395	11.90860	-.05537	-1.21707	.48450	-.76804	17.98780	.07577	.00000
.600	94.169	.03080	17.79437	11.63381	-.05536	-1.21183	.51127	-1.23541	17.75155	-.06456	.00000
.599	96.185	.03188	17.17349	11.01834	-.05582	-1.18701	.47176	-1.60709	17.09988	-.24463	.00000
.600	98.146	.02438	15.80762	9.30014	-.05407	-.93654	.38088	-1.88242	15.69929	-.36117	.00000
.599	100.021	.02682	15.06791	7.36801	-.05226	-1.05305	.43449	-2.15845	14.91994	-.47077	.00000
.599	103.398	.01423	14.07065	4.42571	-.05450	-.65380	.30542	-2.62078	13.83997	-.65574	.00000
	GRADIENT	.00023	-.00897	-.10971	.00041	-.00711	.00212	-.23932	-.00850	-.03765	.00000

SA-2F (8TPT-655) SRB (RPS007) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 25/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	80.164	-.00769	20.41615	12.40892	-.07002	-.04800	.10492	2.93952	20.21108	.55629	.00000
1.198	81.145	-.00678	20.53022	12.11864	-.07060	-.05204	.10034	2.63113	20.36796	.53545	.00000
1.199	83.150	-.01587	20.67993	11.37167	-.07037	.01422	.12318	1.99184	20.58933	.47802	.00000
1.199	85.087	-.01534	20.69847	10.78548	-.07091	.01030	.12151	1.34830	20.65890	.42585	.00000
1.199	87.067	-.01260	20.72845	10.25523	-.07107	-.02239	.12470	.70414	20.71956	.35688	.00000
1.199	89.087	-.01152	20.80887	9.68785	-.07172	-.02507	.11769	.05504	20.81063	.27657	.00000
1.199	90.936	-.01065	20.89056	9.10309	-.07241	-.03946	.12206	-.54531	20.88444	.20405	.00000
1.199	92.942	-.01471	20.90349	8.48617	-.07505	-.02525	.14487	-1.18755	20.87005	.11481	.00000
1.200	94.904	-.01657	20.81138	7.84582	-.07411	-.00380	.14345	-1.80892	20.73263	.02994	.00000
1.200	96.837	-.01661	20.61753	7.05587	-.07409	.00717	.13526	-2.39065	20.47856	-.06405	.00000
1.200	98.849	-.01823	20.41047	6.27156	-.07132	.01040	.14724	-2.98714	20.19129	-.15429	.00000
1.200	100.798	-.01798	20.35332	6.02834	-.07412	-.00207	.15616	-3.54832	20.04344	-.26956	.00000
1.199	102.690	-.02189	20.15261	5.72054	-.07421	.02923	.16564	-4.05021	19.74519	-.38616	.00000
1.199	103.946	-.02161	20.03365	5.46552	-.07102	.03477	.15968	-4.37376	19.55599	-.46837	.00000
	GRADIENT	-.00049	-.01688	-.30203	-.00013	.00233	.00237	-.31110	-.02887	-.04276	.00000

SA-2F (8TPT-655) SRB (RPS008) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 1/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.599	81.820	.00195	16.98054	10.59732	-.08545	-.15635	.17880	2.21561	16.83659	.20244	.00000
.599	83.801	.00509	17.52918	10.47468	-.08731	-.19340	.17128	1.74202	17.44307	.15170	.00000
.599	85.795	-.01420	18.01729	11.09184	-.09084	.03429	.21724	1.26069	17.97323	.06074	.00000
.600	87.924	-.00722	18.20128	11.28267	-.09003	-.04850	.20059	.66309	18.18920	-.00369	.00000
.599	89.815	-.00051	18.32755	11.29622	-.09129	-.11874	.17299	.05645	18.32747	.00274	.00000
.600	90.093	-.00651	18.44024	11.18583	-.09303	-.05677	.19909	-.01474	18.44024	-.01509	.00000
.600	91.733	.00156	18.28358	11.51570	-.09063	-.12424	.14209	-.54692	18.27540	-.00587	.00000
.600	93.812	-.00434	18.20879	11.48570	-.08971	-.02249	.11170	-1.10929	18.17525	-.10156	.00000
.600	95.839	-.02266	17.88487	11.12345	-.08674	.23944	.09316	-1.57389	17.81719	-.24692	.00000
.600	97.979	-.01306	17.22065	10.25915	-.08444	.07856	.13644	-2.02076	17.10575	-.37313	.00000
.599	100.265	-.00476	16.15136	8.77751	-.08313	-.09862	.22580	-2.41122	15.97758	-.48010	.00000
.599	101.924	.00734	15.38209	7.03076	-.08063	-.32005	.30137	-2.62369	15.16727	-.56676	.00000
.600	103.315	-.00700	14.48066	5.00690	-.08345	-.12900	.31120	-2.74904	14.23007	-.60216	.00000
	GRADIENT	-.00019	-.11862	-.20010	.00034	.00005	.00351	-.24229	-.12588	-.03836	.00000

SA-2F (8TPT-655) SRB (RPS009) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 3/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	79.714	-.00832	17.74085	12.92021	-.09719	.05730	.02843	2.68698	17.54299	.48866	.00000
.900	80.868	-.01422	17.86042	12.51185	-.09901	.12189	.01465	2.35915	17.71047	.48162	.00000
.899	82.706	-.02301	17.99158	11.79955	-.10042	.22131	-.01039	1.83983	17.90287	.44804	.00000
.900	84.848	-.06212	18.26421	10.68460	-.10508	.65200	-.10641	1.21479	18.22877	.42695	.00000
.900	86.707	-.07100	18.42315	9.52336	-.10555	.69390	-.05266	.60102	18.41904	.45811	.00000
.900	88.746	-.03889	18.35814	8.58724	-.10466	.36766	-.01260	-.01312	18.56288	.41943	.00000
.900	90.792	-.04109	18.55778	7.39822	-.10868	.38027	-.00204	-.61221	18.55109	.35582	.00000
.900	92.731	-.03012	18.48299	6.09636	-.10273	.27543	.00346	-1.17782	18.44782	.29736	.00000
.900	94.571	-.01946	18.36020	5.01330	-.10438	.19760	-.02418	-1.69272	18.28345	.23034	.00000
.900	96.547	-.03689	18.23625	3.86799	-.10612	.34025	.00294	-2.21702	18.10152	.15852	.00000
.900	98.523	-.04414	18.02409	2.50316	-.10332	.36531	.06390	-2.71869	17.81794	.04798	.00000
.900	100.406	-.04426	17.63298	.74537	-.10716	.36139	.07397	-3.17310	17.34513	-.01271	.00000
.900	102.229	-.04274	17.19404	-1.52611	-.10556	.31715	.11896	-3.57843	16.81766	-.06517	.00000
	GRADIENT	-.00070	-.01319	-.01205	-.00029	.00350	.00443	-.26371	-.02101	-.02523	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (RPS010) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 14/ 0 RN/L = .62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.403	79.041	-.00697	9.39305	10.65154	.03310	.99487	.12671	1.65836	9.24641	.12963	.00000
.401	80.019	-.00757	9.36701	9.91013	-.03825	.98012	.22303	1.45540	9.25483	.17062	.00000
.401	81.986	-.00744	9.26071	8.37120	.02853	1.00479	.17945	.92466	9.22186	.37003	.00000
.398	84.021	-.00575	9.19508	6.50668	-.01619	.84941	.08596	.44564	9.19870	.51489	.00000
.399	85.997	-.00544	9.14972	4.55072	-.04165	.90012	-.00086	.04506	9.16894	.59509	.00000
.398	87.985	-.00510	8.90619	3.68510	-.06558	.73424	.08973	-.24845	8.92044	.56191	.00000
.398	89.915	-.00320	9.14384	3.04578	-.04083	.37247	.12846	-.54539	9.14466	.55897	.00000
.399	91.974	-.00364	9.39135	2.22760	-.04492	.37713	.18165	-.84618	9.36776	.52297	.00000
.400	93.963	-.00377	9.37575	1.47067	-.04700	.50339	.09615	-1.16606	9.31744	.51031	.00000
.399	95.983	-.00357	9.39296	1.04613	-.07108	.68872	-.08031	-1.40801	9.29684	.43133	.00000
.399	97.843	-.00409	9.35180	.66212	-.07349	.82594	-.11884	-1.55390	9.22606	.28045	.00000
.399	99.792	-.00490	9.36687	.31216	-.03042	1.06464	-.20097	-1.72251	9.20806	.13131	.00000
.400	101.921	-.00503	9.19432	-.36583	-.03243	.81186	.02748	-1.88153	8.99976	-.01811	.00000
.398	103.091	-.00542	9.26402	-.61835	-.05796	.82514	.07786	-2.03836	9.03720	-.06156	.00000
	GRADIENT	.00011	.00171	-.45134	-.00240	-.00616	-.00919	-.15081	-.00376	-.01072	.00000

RUN NO. 18/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	80.589	-.00098	13.56467	12.51557	.09898	.13294	-.01550	1.97436	13.42248	.24697	.00000
.599	82.615	-.00216	14.44148	13.43900	.09395	.21668	.02763	1.61484	14.35297	.24330	.00000
.599	84.617	-.00240	14.94687	13.26548	.05798	.19577	.06633	1.08340	14.91099	.32021	.00000
.599	86.646	-.00167	14.96855	12.78937	.05772	.07272	.09731	.56025	14.95939	.31589	.00000
.599	88.565	.00017	15.01604	12.33189	.05902	-.13319	.09251	.06414	15.01914	.31190	.00000
.598	90.595	.00038	15.20140	11.99875	.07384	-.16009	.09515	-.44172	15.19763	.28379	.00000
.599	92.591	.00044	14.92538	10.71125	.07242	-.20706	.12781	-.97493	14.89653	.30054	.00000
.599	94.578	.00003	14.67429	9.78925	.05505	-.20318	.16273	-1.40755	14.60855	.23719	.00000
.599	96.557	.00053	14.58170	9.40363	.08762	-.14486	.06773	-1.81795	14.46875	.15394	.00000
.599	98.563	.00000	14.34776	8.39651	.06984	-.05009	.04081	-2.14360	14.18573	.00732	.00000
.599	100.569	-.00136	13.14016	5.12454	.05211	.14355	.01298	-2.37368	12.92404	-.03704	.00000
.598	103.044	-.00136	12.12094	1.52310	.01953	.18321	-.01788	-2.55756	11.84945	-.18274	.00000
	GRADIENT	.00005	-.06202	-.44691	-.00182	-.00529	-.00048	-.21700	-.06940	-.01829	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (RPS010) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 17/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.897	80.574	-.00144	16.36097	11.57628	.03781	.10977	.01094	2.07493	16.24043	.61288	.00000
.897	82.590	-.00206	16.64235	10.43695	.03408	.09705	.06404	1.51545	16.58542	.63622	.00000
.897	84.635	-.00133	16.69768	9.27090	.04483	.00481	.08812	.94923	16.68200	.61465	.00000
.897	86.592	-.00051	16.97819	8.36416	.03133	-.03949	.06756	.41651	16.98346	.59369	.00000
.897	88.589	-.00025	17.10816	7.40517	.02953	-.09372	.09362	-.13611	17.11670	.55758	.00000
.897	90.595	-.00044	17.16582	6.35570	.03921	-.11043	.12015	-.80403	17.15840	.62590	.00000
.897	92.570	.00019	17.07740	5.28047	.05063	-.13569	.09722	-1.35747	17.03366	.59239	.00000
.897	94.575	-.00053	17.04850	4.26696	.01253	-.08117	.10297	-1.88635	16.95205	.52805	.00000
.897	96.559	-.00139	16.85396	3.03167	.02241	-.04125	.13028	-2.37129	16.69235	.44897	.00000
.897	98.542	-.00074	16.47332	1.68643	.01097	-.06671	.10611	-2.79820	16.23781	.35529	.00000
.897	100.554	-.00067	16.20672	.10298	.01004	-.10271	.13093	-3.19430	15.89047	.22976	.00000
.897	103.076	-.00240	15.79264	-1.44525	.04317	.01235	.15982	-3.66477	15.36183	.09435	.00000
	GRADIENT	.00000	-.02247	-.56694	-.00081	-.00574	.00467	-.26262	-.03728	-.02100	.00000

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SA-2F(8TPT-655)SRB WITH TRIP STRIPS (RPS012) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 15/ 0 RN/L = 1.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.400	79.067	-.00479	9.16264	10.87441	-.02699	.43138	-.02710	1.75298	8.99340	-.01542	.00000
.399	79.915	-.00498	9.26271	10.53864	-.02831	.41923	-.00301	1.58738	9.12575	.03513	.00000
.398	81.948	-.00524	9.22770	8.96905	-.03080	.43457	.00053	1.11738	9.16151	.17697	.00000
.400	83.908	-.00423	9.16664	6.98356	-.03202	.40064	-.04350	.62944	9.15152	.34525	.00000
.399	85.764	-.00455	8.81273	4.36536	-.02268	.48051	-.08637	.14858	8.82587	.50375	.00000
.398	87.970	-.00505	8.90580	3.50478	-.03678	.51850	-.08232	-.19999	8.91848	.51571	.00000
.398	89.947	-.00287	8.77316	2.82762	-.03541	.09589	.11546	-.49013	8.77361	.49821	.00000
.399	91.935	-.00297	8.84570	2.09310	-.04864	.12599	.09620	-.79084	8.82403	.49247	.00000
.400	93.982	-.00358	8.93539	1.31920	-.05091	.22480	.05650	-1.06377	8.88296	.44433	.00000
.399	95.970	-.00418	8.99120	.72767	-.02979	.32483	.01591	-1.28758	8.90558	.35434	.00000
.399	97.698	-.00604	9.01496	.23022	-.05609	.47020	.02442	-1.45639	8.89925	.21967	.00000
.399	100.046	-.00614	8.98362	-.35328	-.03402	.53423	-.01803	-1.62321	8.83594	.05698	.00000
.402	101.854	-.00701	9.01005	-.95699	-.04747	.67632	-.07783	-1.75964	8.83704	-.09320	.00000
.400	103.113	-.00563	8.90283	-1.23448	-.04586	.79319	-.26089	-1.83809	8.71301	-.18652	.00000
	GRADIENT	-.00005	-.00936	-.49648	-.00084	.00806	-.00282	-.14985	-.01264	-.00754	.00000

RUN NO. 33/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	79.219	-.00664	14.05453	13.04511	.00318	.43049	-.03637	2.43674	13.84306	.19581	.00000
.600	79.961	-.00805	14.51162	12.95086	-.00003	.48365	-.01396	2.33368	14.32413	.19912	.00000
.598	81.990	-.00797	14.83479	12.70502	-.00164	.49553	-.02693	1.84140	14.72183	.22794	.00000
.599	84.136	-.01021	14.92391	13.28877	-.02799	.70999	-.09907	1.25735	14.87328	.26868	.00000
.602	86.094	-.00816	14.89432	12.63647	-.01954	.51232	-.03829	.74236	14.87831	.27298	.00000
.602	88.326	-.00886	15.13543	12.68494	-.02967	.45101	.04365	.16308	15.13713	.27916	.00000
.602	90.137	-.00935	15.19701	12.64433	-.04692	.39918	.10846	-.32833	15.19627	.29202	.00000
.600	91.954	-.00910	15.18665	12.33135	-.03132	.38763	.10883	-.84037	15.16682	.32262	.00000
.600	94.060	-.00791	14.83102	10.55258	-.04704	.39794	.04542	-1.27655	14.77772	.22702	.00000
.602	95.897	-.00684	13.89076	7.94037	-.02932	.34177	.04063	-1.60728	13.79864	.18112	.00000
.602	97.959	-.00434	12.07797	2.68165	-.03381	.17419	.06145	-1.87532	11.93326	.20497	.00000
.601	99.838	-.00177	11.03594	-.71250	-.03920	.07440	.02303	-2.03233	10.84822	.14883	.00000
.600	103.161	-.00281	11.03512	-1.85659	-.03352	.16860	-.00257	-2.43086	10.76438	-.08391	.00000
	GRADIENT	.00022	-.14055	-.61117	-.00165	-.01755	.00373	-.21887	-.14284	-.00689	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (RPS012) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 13/ 0 RN/L = 1.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.899	79.232	.00078	16.82752	13.30674	-.03318	-.14540	.09109	2.59679	16.63528	.55693	.00000
.899	80.138	-.00039	16.92673	12.77523	-.04092	-.09954	.09476	2.31884	16.77749	.58906	.00000
.898	82.058	-.00081	17.20279	11.52835	-.04370	-.05964	.07682	1.79143	17.11947	.59118	.00000
.898	83.961	-.00012	17.44963	10.53843	-.03956	-.10673	.09109	1.25306	17.41445	.58613	.00000
.898	85.882	.00137	17.76067	9.34874	-.04722	-.15872	.08219	.71953	17.75485	.55745	.00000
.899	87.933	.00171	17.97267	8.25861	-.04919	-.16320	.07402	.09712	17.98086	.55145	.00000
.899	89.962	.00205	18.01390	7.07163	-.04470	-.20827	.09911	-.55099	18.01427	.56286	.00000
.899	92.051	.00017	17.97262	5.90776	-.05301	-.13514	.10428	-1.16464	17.94244	.52170	.00000
.899	94.064	.00242	17.67559	4.32651	-.04630	-.19879	.07845	-1.74718	17.59602	.49580	.00000
.899	95.929	.00100	17.37499	3.03402	-.04741	-.12781	.06948	-2.20969	17.23895	.41704	.00000
.899	97.864	-.00305	17.05091	1.61493	-.05016	.02268	.08773	-2.63772	16.84847	.30780	.00000
.900	99.861	-.00495	16.77788	.43036	-.04569	.07204	.11425	-3.06131	16.49733	.19084	.00000
.899	101.797	-.00592	16.58179	-.81800	-.04689	.08381	.14011	-3.45517	16.21796	.06640	.00000
.899	103.187	-.00496	16.35769	-1.79450	-.04649	.04459	.13906	-3.71066	15.93127	-.02147	.00000
	GRADIENT	-.00022	-.02249	-.62962	-.00037	.00762	.00158	-.27032	-.03320	-.02249	.00000

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SA-2F(8TPT-655)SRB WITH TRIP STRIPS (RPS013) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 32/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.399	79.000	-.00244	9.27516	11.20802	.00300	.11293	.00765	1.83285	9.09249	-.06430	.00000
.401	80.711	.00120	7.41683	10.08869	-.00290	-.14513	.06995	1.21125	7.31929	-.01390	.00000
.400	82.703	-.00084	9.21622	9.03649	-.00576	-.03475	.06237	1.08367	9.15271	.08758	.00000
.399	84.806	.00004	9.12869	7.02789	-.01415	-.06343	.05013	.58702	9.11296	.24042	.00000
.400	86.723	.00238	9.10362	5.41578	-.02850	-.30877	.15526	.19911	9.10713	.32187	.00000
.401	88.718	-.00135	8.88034	3.78951	-.01851	-.18290	.20323	-.20494	8.88714	.40367	.00000
.400	89.945	-.00258	8.86746	3.34341	-.01994	-.11039	.19332	-.40812	8.86786	.41668	.00000
.399	90.701	-.00281	8.84360	2.96231	-.02046	-.10053	.19486	-.51991	8.83790	.41171	.00000
.399	92.734	-.00116	8.87230	2.05196	-.02750	-.13215	.15433	-.81468	8.84350	.39187	.00000
.399	94.679	-.00491	8.95682	1.31373	-.02443	.10843	.10965	-1.06603	8.89952	.33648	.00000
.400	96.685	-.00679	8.91710	.67213	-.03333	.26001	.06108	-1.26364	8.83004	.22720	.00000
.400	98.639	-.00570	8.86001	-.04350	-.02621	.29018	-.00611	-1.38814	8.75079	.05798	.00000
.399	100.643	-.00703	8.88058	-.83239	-.02801	.47012	-.09576	-1.52138	8.75013	-.12079	.00000
.399	103.146	-.00782	8.81466	-1.69879	-.02927	.73908	-.28001	-1.73315	8.64709	-.27888	.00000
	GRADIENT	-.00035	.00616	-.54052	-.00126	.02794	-.00841	-.14681	.00430	-.00596	.00000

RUN NO. 16/ 0 RN/L = 2.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	79.278	-.00785	14.61556	13.83317	-.05572	.26835	.00461	2.54899	14.39261	.17307	.00000
.600	79.676	-.00830	14.48926	13.69546	-.05566	.28374	.00448	2.38427	14.29269	.16533	.00000
.600	81.713	-.00918	14.51870	14.22885	-.05105	.33477	-.01336	1.95185	14.38761	.14222	.00000
.600	83.883	-.00791	15.39851	14.29531	-.05435	.16809	.08568	1.41407	15.33514	.22816	.00000
.599	85.932	-.00776	15.26709	13.49456	-.05502	.04675	.17984	.80933	15.24809	.27432	.00000
.600	87.898	-.01046	15.42134	12.94774	-.05283	.18945	.13852	.26336	15.42206	.30249	.00000
.600	89.816	-.01546	15.46067	12.71791	-.06065	.40941	.09907	-.24624	15.46154	.29582	.00000
.600	91.72	-.01608	15.38106	12.18071	-.05261	.59864	.01844	-.76890	15.36491	.30744	.00000
.600	93.905	-.01739	14.89709	10.47487	-.05217	.64634	-.03902	-1.25797	14.84588	.24398	.00000
.600	95.718	-.01340	12.38536	3.59772	-.04728	.56060	-.08037	-1.54260	12.29181	.26696	.00000
.600	97.880	-.01275	11.07408	-.21698	-.05536	.58093	-.11314	-1.71142	10.94278	.19507	.00000
.600	99.800	-.01278	11.04569	-1.03039	-.04157	.63848	-.15786	-1.88726	10.88327	.00722	.00000
.599	101.562	-.01332	10.97427	-1.72111	-.05209	.60272	-.10963	-2.09474	10.77303	-.10690	.00000
.599	103.132	-.01171	10.91451	-2.46264	-.04708	.51481	-.08218	-2.28153	10.67532	-.20355	.00000
	GRADIENT	-.00025	-.18838	-.77534	.00032	.01889	-.00808	-.21087	-.19026	-.01077	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (RPS013) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 12/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.898	79.386	-.00327	16.38387	12.63442	-.04157	.04869	.02911	2.44363	16.21114	.58418	.00000
.898	80.013	-.00288	16.39235	12.44956	-.03811	.04700	.02219	2.26964	16.24489	.58199	.00000
.898	82.017	-.00403	16.65065	11.26852	-.04085	.05274	.04117	1.74169	16.56933	.57626	.00000
.898	83.950	-.00681	16.92324	10.58288	-.04375	.09905	.06108	1.24189	16.88640	.54484	.00000
.898	85.977	-.00396	17.15359	9.59130	-.04473	.03332	.05512	.66056	17.14950	.54429	.00000
.898	87.983	-.00260	17.35819	8.59738	-.04612	-.01274	.06425	.09904	17.36546	.51213	.00000
.898	89.974	.00027	17.43869	7.36564	-.04674	-.06881	.05055	-.51858	17.43893	.52637	.00000
.898	92.022	.00186	17.48742	5.94582	-.04785	-.11120	.05202	-1.12460	17.45861	.50788	.00000
.898	94.156	.00475	17.42293	4.35873	-.04816	-.16769	.03794	-1.71903	17.34396	.45768	.00000
.901	95.837	.00343	17.23725	3.28923	-.04905	-.14507	.04704	-2.13547	17.10878	.38446	.00000
.900	97.888	.00072	16.92584	1.74801	-.06464	-.08011	.05031	-2.60660	16.72638	.28652	.00000
.898	99.899	-.00372	16.65434	.20062	-.05247	.02033	.06176	-3.04396	16.37483	.18363	.00000
.898	101.775	-.00677	16.39834	-1.10168	-.05392	.08740	.07218	-3.41604	16.03875	.07122	.00000
.898	103.248	-.00403	16.19598	-1.97094	-.04937	.02815	.06292	-3.68921	15.77022	-.02307	.00000
	GRADIENT	.00008	-.00202	-.62251	-.00064	-.00323	.00110	-.26475	-.01289	-.02257	.00000

RUN NO. 27/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	79.388	-.00810	20.14153	12.56015	-.06237	-.02951	.16969	3.14315	19.90310	.57587	.00000
1.199	79.897	-.00851	20.27321	12.41429	-.06318	-.00805	.15945	2.98357	20.06090	.56170	.00000
1.199	81.900	-.01077	20.58727	11.78978	-.06276	.03395	.16481	2.35173	20.46003	.55467	.00000
1.200	83.867	-.00819	20.80110	11.08572	-.05968	-.00831	.15244	1.70669	20.53630	.49706	.00000
1.200	85.915	-.00640	20.64850	10.41718	-.06307	-.04826	.15297	1.03620	20.62709	.43570	.00000
1.200	87.835	-.00558	20.65879	9.83091	-.06653	-.06015	.14794	.41738	20.65777	.36344	.00000
1.200	89.807	-.00585	20.81054	9.25077	-.06476	-.06501	.15651	-.21182	20.81137	.28210	.00000
1.200	91.815	-.00683	20.85197	8.59862	-.06896	-.04690	.15921	-.86225	20.83511	.20188	.00000
1.200	93.754	-.00580	20.82493	8.00891	-.06607	-.05502	.14774	-1.47365	20.77302	.11050	.00000
1.201	95.750	-.00640	20.69041	7.34461	-.06643	-.05011	.15469	-2.09991	20.58359	.02720	.00000
1.199	97.700	-.00760	20.40128	6.49591	-.06046	-.03093	.16107	-2.68196	20.22429	-.05188	.00000
1.200	99.671	-.00898	20.12204	5.69433	-.06675	-.01536	.17387	-3.23964	19.86005	-.14264	.00000
1.199	103.472	-.00843	19.49043	4.11846	-.06298	.03484	.14346	-4.18812	19.03860	-.36267	.00000
	GRADIENT	.00002	-.01558	-.34020	-.00011	.00005	-.00026	-.31145	-.02183	-.03875	.00000

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SA-2F(8TPT-655)SRB WITH TRIP STRIPS (RPS015) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 31/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.401	79.109	.07472	9.21786	10.15763	-.02615	-1.77312	-.23798	1.85748	9.02954	-.11802	.00000
.401	80.725	-.01945	9.03297	8.70041	-.02571	.38524	.12173	1.50844	8.90629	-.05329	.00000
.401	82.739	-.02619	8.98940	7.67555	-.02546	.58484	.10744	1.16762	8.91330	-.03175	.00000
.401	84.778	-.03073	8.91324	6.31094	-.02844	.70797	.10606	.79826	8.87743	.01307	.00000
.400	86.736	-.03108	8.81936	4.94118	-.03737	.72366	.10080	.47846	8.80641	.02378	.00000
.400	88.710	-.01349	8.55130	3.40476	-.03503	.35468	.00986	.09483	8.55134	.09778	.00000
.400	90.694	-.01059	8.49416	2.44120	-.03112	.19614	.07506	-.23588	8.49193	.13293	.00000
.400	92.672	-.01169	8.53059	1.60873	-.03657	.17769	.11540	-.52782	8.51524	.13021	.00000
.400	94.648	-.01215	8.51819	.65450	-.02619	.22438	.08769	-.74379	8.48583	.05363	.00000
.401	96.627	-.00967	8.61267	-.23086	-.03795	.22897	.02888	-.94680	8.56061	-.04741	.00000
.401	98.653	-.02160	8.69182	-1.17889	-.03241	.60493	-.00886	-1.13301	8.61947	-.17675	.00000
.401	100.606	-.02553	8.66772	-2.20465	-.04264	.80069	-.07700	-1.35225	8.56517	-.24759	.00000
.400	103.166	-.02194	8.65119	-2.99477	-.03830	.82064	-.16825	-1.63774	8.50163	-.34178	.00000
	GRADIENT	-.00131	-.02165	-.54725	-.00053	.04094	-.00354	-.1452[illegible]	-.02104	-.00845	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (RPS016) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 28/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	79.995	-.00456	20.34462	12.22571	-.07086	-.11022	.12891	2.97098	20.13466	.57240	.00000
1.199	81.999	-.00759	20.62141	11.63474	-.07002	-.09791	.14447	2.38680	20.48952	.52437	.00000
1.199	83.931	-.00823	20.82092	11.04929	-.06852	-.08466	.13884	1.73997	20.75327	.46384	.00000
1.199	85.965	-.00797	20.78113	10.41383	-.06745	-.09213	.14256	1.06098	20.75793	.40227	.00000
1.199	87.892	-.00693	20.76146	9.84126	-.06918	-.10057	.14050	.43033	20.75969	.33369	.00000
1.199	89.805	-.00791	20.92266	9.30373	-.07336	-.07668	.12925	-.18388	20.92341	.25505	.00000
1.199	91.733	-.00957	20.97219	8.71035	-.07286	-.06571	.13435	-.80173	20.95753	.16761	.00000
1.200	93.717	-.00795	20.92677	8.10212	-.07295	-.08285	.13479	-1.43355	20.87775	.07699	.00000
1.200	95.671	-.00909	20.70146	7.36121	-.07149	-.06429	.12946	-2.03837	20.60086	-.00744	.00000
1.199	97.585	-.01167	20.47619	6.63214	-.06878	-.03782	.13021	-2.61378	20.30885	-.08253	.00000
1.199	99.802	-.01454	20.17647	5.79299	-.07173	-.01493	.13663	-3.18295	19.92468	-.18527	.00000
1.200	103.875	-.01606	19.73323	4.43402	-.07170	.00254	.15492	-4.29731	19.26484	-.44786	.00000
	GRADIENT	-.00043	-.02442	-.32567	-.00010	.00436	.00020	-.31052	-.03411	-.04190	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (RPSD17) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 30/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.599	79.541	-.02616	13.64010	12.19522	-.04601	.30803	.04320	2.37256	13.43258	.10527	.00000
.599	79.924	-.03015	14.10531	12.23019	-.04660	.33521	.06336	2.36493	13.90604	.10454	.00000
.599	81.898	-.02065	14.00949	11.77355	-.04684	.25005	.02562	1.91318	13.87869	.11093	.00000
.599	83.715	.00540	14.28462	12.02741	-.05017	-.08701	.01121	1.45860	14.19024	.10424	.00000
.600	85.720	.02252	14.09456	12.01221	-.04821	-.32923	.02049	.96511	14.06177	.08701	.00000
.600	87.809	.00075	13.37171	10.55433	-.04741	-.17059	.13092	.44243	13.36456	.06889	.00000
.600	89.582	-.01633	12.86733	8.79656	-.04296	-.00324	.18212	.01292	12.86758	.08098	.00000
.600	91.555	-.02433	12.60776	7.15371	-.04714	.06764	.21229	-.50584	12.59867	.16382	.00000
.600	93.420	-.01849	11.75049	3.78491	-.04588	.03463	.17506	-.88007	11.71886	.17947	.00000
.599	95.380	-.02334	11.11331	1.09670	-.04503	.08101	.19175	-1.18349	11.05128	.14593	.00000
.600	96.054	-.02062	10.97659	.34478	-.04654	.02313	.20886	-1.28703	10.90165	.13009	.00000
.600	98.165	-.00091	11.01249	-.61313	-.04350	-.36087	.30445	-1.60222	10.89538	.03853	.00000
.599	99.828	.00431	10.96797	-1.43556	-.04103	-.49448	.35513	-1.83778	10.81296	-.03494	.00000
.600	103.265	-.02123	10.81477	-3.08459	-.04543	.02146	.22206	-2.29143	10.57103	-.19523	.00000
	GRADIENT	.00012	-.17054	-.74469	.00020	-.01701	.01246	-.20847	-.17080	-.00646	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (RPSD18) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 29/ 0 RN/L = 5.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	79.900	-.00906	16.44446	12.85791	-.05827	-.09955	.11983	2.38059	16.27848	.48555	.00000
.899	80.282	-.00357	16.46704	12.70381	-.05690	-.09816	.10726	2.29926	16.31318	.49304	.00000
.900	82.166	-.00648	16.72885	11.50349	-.05760	-.07087	.10695	1.76444	16.64368	.52050	.00000
.900	84.173	-.00891	16.97998	10.36076	-.06001	-.05114	.10905	1.20835	16.94485	.51618	.00000
.900	86.220	-.01322	17.21842	9.25079	-.06133	.00997	.09149	.63111	17.21426	.50506	.00000
.900	88.376	-.01233	17.45998	8.15168	-.06195	.00984	.08474	-.02350	17.46764	.51782	.00000
.900	89.987	-.00848	17.52523	7.20076	-.05994	-.04822	.10311	-.50894	17.52535	.51284	.00000
.900	90.342	-.00595	17.60457	7.02448	-.06133	-.07480	.10577	-.59886	17.60131	.49379	.00000
.900	90.975	.01065	16.89573	.53635	-.06119	-.24390	.11784	-2.80447	16.45975	.20243	.00000
.900	100.116	.00900	16.53398	-.41832	-.05776	-.22368	.11379	-3.04523	16.25176	.14349	.00000
.900	103.644	-.00505	16.05590	-2.74339	-.05743	-.09833	.11934	-3.74072	15.61414	-.04795	.00000
	GRADIENT	.00052	-.01392	-.66183	-.00001	-.00532	.00043	-.26419	-.02535	-.02147	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (RPS019) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	1.100
AFTSTK =	1.100	ATTKNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 49/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.400	78.995	.15019	7.80340	4.58202	.10068	-4.10318	-.04726	1.57575	7.64315	-.08777	.00000
.400	80.569	.15700	7.86165	4.06881	.09817	-4.17343	-.12668	1.10033	7.78660	.19051	.00000
.400	82.609	.19170	8.03508	3.91007	.09903	-4.75671	-.41056	.77401	8.00199	.26181	.00000
.400	84.874	.25425	8.12713	3.45733	.09037	-6.65698	-.23035	.44563	8.11979	.28164	.00000
.400	86.719	.27794	8.16521	3.07787	.09926	-6.94969	-.52023	.18623	8.16794	.28158	.00000
.400	88.616	.25459	8.22470	2.79708	.10079	-6.40338	-.42823	-.07690	8.22896	.27561	.00000
.400	89.675	.24505	8.30242	2.65565	.09681	-6.27025	-.33718	-.23529	8.30389	.28239	.00000
.400	90.662	.21622	8.24723	2.46045	.09673	-5.82880	-.04851	-.35384	8.24370	.25858	.00000
.400	92.515	.20225	8.24764	1.97861	.09474	-5.64967	.10735	-.54482	8.23166	.18307	.00000
.400	94.494	.18785	8.17434	1.23748	.09260	-5.41739	.23359	-.69370	8.14502	.05342	.00000
.400	96.618	.18116	8.04486	.29458	.09776	-5.30373	.27050	-.84212	8.00112	-.08564	.00000
.400	98.537	.16496	7.85888	-.98627	.10665	-4.93339	.31606	-.99234	7.79797	-.17623	.00000
.400	100.556	.12098	7.78534	-2.27983	.10467	-3.84167	.39094	-1.12621	7.70950	-.30526	.00000
.400	103.104	.08505	7.86293	-3.22135	.10142	-2.41591	.02620	-1.32654	7.76436	-.46830	.00000
	GRADIENT	-.00323	-.00310	-.31090	.00020	.05518	.02630	-.11430	-.00306	-.02308	.00000

RUN NO. 48/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.600	79.628	-.00185	15.48558	12.26665	.09619	-.39992	.34685	2.55650	15.27491	.23538	.00000
.600	81.652	.02543	16.04204	12.59454	.09195	-.77719	.35205	2.08777	15.90747	.24330	.00000
.600	83.957	.08193	16.72002	13.16147	.08955	-1.34911	.19736	1.58857	16.64527	.17253	.00000
.600	85.939	.04189	17.05727	13.28543	.09201	-.84295	.22661	1.09884	17.02219	.10950	.00000
.600	88.005	.03360	17.30563	13.26350	.09108	-.70676	.27298	.52875	17.29771	.07364	.00000
.600	89.944	.05112	17.16227	13.93126	.09170	-1.04110	.28845	-.05196	17.16233	.06875	.00000
.600	91.974	.07296	16.57320	14.04882	.08883	-1.36420	.31089	-.61350	16.56190	.04260	.00000
.601	93.934	.07302	15.57450	12.49150	.09480	-1.41741	.35556	-1.03410	15.54017	-.03455	.00000
.601	95.893	.06487	15.05319	10.90207	.09572	-1.35818	.39305	-1.40818	14.98782	-.13807	.00000
.600	97.863	.05606	14.57794	9.32768	.09848	-1.24758	.39684	-1.72624	14.47791	-.27052	.00000
.600	99.662	.05406	14.01785	7.50372	.09894	-1.14412	.33113	-1.97414	13.88357	-.38894	.00000
.600	103.536	-.01402	13.31569	4.36133	.09849	.31448	-.09797	-2.51988	13.08950	-.61420	.00000
	GRADIENT	.00020	-.12362	-.29939	.00030	.00384	-.00530	-.22427	-.12482	-.03363	.00000

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SA-2F (8TPT-655) SRB WITH STRAKES (RPS019) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 47/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	80.066	-.20439	17.65127	11.54489	.07591	2.37441	-.37864	2.52468	17.68082	.56344	.00000
.900	81.470	-.21062	18.11640	10.79202	.07173	2.43420	-.38605	2.13170	17.99931	.56160	.00000
.900	83.900	-.20807	18.37134	9.93469	.07662	2.36275	-.35390	1.54131	18.31459	.54199	.00000
.900	85.615	-.19933	18.53880	9.00195	.07481	2.25675	-.33884	.90386	18.52393	.51572	.00000
.899	87.568	-.19509	18.59393	7.99962	.07825	2.14583	-.28098	.28720	18.59850	.50230	.00000
.900	89.848	-.17848	18.56281	6.68063	.08031	1.95462	-.25350	-.44864	18.56407	.49774	.00000
.900	91.846	-.18460	18.47396	5.60408	.08113	2.04335	-.27200	-1.04248	18.44995	.44767	.00000
.900	93.688	-.19848	18.28668	4.46258	.08110	2.16106	-.26740	-1.55447	18.22443	.37910	.00000
.900	95.324	-.20522	18.06985	3.44449	.07962	2.24127	-.27940	-1.98298	17.96335	.30749	.00000
.901	97.600	-.20968	17.83843	1.97977	.07813	2.26207	-.25610	-2.54636	17.65676	.18871	.00000
.900	99.491	-.19432	17.61464	.42558	.08478	2.10265	-.23464	-2.99062	17.35913	.08716	.00000
.900	103.555	-.19384	17.15815	-1.77990	.08655	2.12965	-.23794	-3.86821	16.71718	-.15783	.00000
	GRADIENT	.00037	-.03452	-.57067	.00048	-.01075	.00658	-.28058	-.04500	-.02799	.00000

RUN NO. 42/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	80.143	-.11089	20.50599	12.55800	.04450	1.60103	-.28095	2.97797	20.29579	.54028	.00000
1.199	81.931	-.12155	20.82499	12.01062	.04079	1.59997	-.27049	2.43412	20.68814	.49384	.00000
1.199	83.675	-.12533	21.03466	11.41125	.04307	1.64680	-.28075	1.80859	20.96136	.43888	.00000
1.200	85.888	-.13168	21.03012	10.77206	.04284	1.69704	-.27152	1.13350	21.00291	.37550	.00000
1.200	87.814	-.12658	21.06807	10.15572	.04284	1.65305	-.28042	.48802	21.06478	.31573	.00000
1.199	89.803	-.12714	21.14374	9.55932	.04033	1.66239	-.28396	-.16265	21.14443	.23546	.00000
1.199	91.717	-.12654	21.20548	9.11733	.04113	1.67285	-.29682	-.78390	21.19150	.14860	.00000
1.200	93.706	-.13136	21.12733	8.63948	.04297	1.71774	-.29141	-1.42616	21.07922	.06057	.00000
1.200	95.680	-.13061	21.02862	8.06686	.04281	1.72055	-.29665	-2.08645	20.92862	-.02578	.00000
1.200	97.613	-.12929	20.77758	7.32801	.04607	1.71665	-.30012	-2.64007	20.60949	-.11367	.00000
1.200	99.578	-.12503	20.58104	6.60315	.04519	1.69068	-.30967	-3.21467	20.32955	-.21294	.00000
1.201	103.986	-.12284	20.40703	6.14386	.03961	1.72922	-.34283	-4.45142	19.92178	-.49548	.00000
	GRADIENT	-.00016	-.00995	-.28203	.00000	.00513	-.00223	-.31682	-.01991	-.04221	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (RPS020) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	2.000	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 37/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.398	79.102	.07946	12.18557	9.43318	-.03791	-5.06951	.86621	2.15649	11.99417	.14998	.00000
.398	80.519	.03694	12.11258	7.85370	-.02811	-3.28030	1.16119	1.59945	12.01321	.40130	.00000
.398	82.475	.03874	12.19886	7.23235	-.04214	-3.23510	1.06292	1.08879	12.16101	.51317	.00000
.399	84.430	.03946	12.10897	6.62009	-.04286	-3.09551	.96882	.65785	12.10226	.51987	.00000
.398	86.407	.04031	12.19541	6.10108	-.03561	-3.03926	.84837	.26391	12.20085	.50126	.00000
.398	88.483	.04582	12.16587	5.54092	-.03950	-3.26924	.81408	-.14035	12.17386	.46269	.00000
.397	90.558	.05079	12.27762	4.86895	-.03739	-3.47965	.78193	-.56784	12.27268	.44826	.00000
.398	92.682	.05405	12.27900	4.04969	-.03593	-3.53904	.69680	-.91322	12.24969	.33901	.00000
.398	94.456	.05710	12.23320	3.57214	-.04107	-3.60798	.62496	-1.19776	12.17694	.24756	.00000
.398	96.404	.05736	12.17477	3.01649	-.03429	-3.69607	.67941	-1.45082	12.08838	.09342	.00000
.398	98.319	.05549	11.85458	2.54611	-.02858	-4.17674	1.13999	-1.73092	11.72755	-.02549	.00000
.398	100.705	.05430	11.78443	1.96711	-.03662	-4.17042	1.16973	-2.00547	11.61403	-.18670	.00000
.398	103.209	.06300	11.55208	1.43307	-.05635	-4.23217	.83142	-2.27830	11.33127	-.37132	.00000
	GRADIENT	.00045	-.01795	-.30905	.00011	-.01929	-.00352	-.17945	-.02172	-.02830	.00000

RUN NO. 38/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.601	79.193	.03376	13.77775	9.95550	-.05601	-1.71203	.43766	2.16173	13.61387	.42916	.00000
.600	79.910	.03396	13.81414	9.74440	-.04680	-1.74492	.45782	1.97513	13.67968	.45191	.00000
.600	81.853	.03730	13.86704	9.03560	-.04644	-1.86333	.48320	1.47309	13.79752	.49699	.00000
.601	83.925	.03914	13.81925	8.15642	-.04653	-1.94956	.49138	.94850	13.79637	.51735	.00000
.601	85.874	.04099	13.77321	7.42087	-.04154	-1.98683	.47210	.50156	13.77281	.49065	.00000
.600	87.927	.04299	13.81412	6.73702	-.04636	-1.98362	.41567	.04317	13.82160	.45685	.00000
.601	89.900	.04092	13.85032	6.09155	-.05307	-1.83605	.35448	-.42474	13.85108	.44698	.00000
.601	91.900	.03616	13.83997	5.23592	-.03700	-1.57921	.27738	-.93685	13.81651	.47819	.00000
.601	93.848	.01971	13.88537	4.18102	-.03658	-.94113	.21583	-1.32791	13.83744	.39618	.00000
.600	95.747	.00065	13.89170	3.23355	-.04205	-.31834	.24151	-1.68616	13.79218	.29657	.00000
.600	97.780	-.01085	13.97231	1.69626	-.04014	-.21718	.48343	-2.08725	13.81694	.19771	.00000
.600	99.727	-.01598	13.95118	.62472	-.04370	-.02430	.47378	-2.42770	13.73851	.07166	.00000
.601	103.229	-.02106	13.59025	-.70822	-.04681	.22599	.44430	-2.96662	13.26332	-.14725	.00000
	GRADIENT	-.00264	.00067	-.44730	.00033	.09575	-.00338	-.21876	-.00559	-.02107	.00000

SA-2F(0T2T-655)SRB WITH STRAKES (RPS020) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0300 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	2.000	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 39/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.899	79.396	.10780	17.54965	12.36401	-.06291	-2.82444	.04115	2.61780	17.36450	.62245	.00000
.899	79.942	.10306	17.60106	12.08345	-.07085	-2.82147	.05685	2.45924	17.43958	.62415	.00000
.899	82.109	.10821	17.77579	11.08158	-.06877	-2.84108	.05940	1.83178	17.69183	.61460	.00000
.899	84.176	.10657	18.00512	10.13018	-.05713	-2.83654	.09911	1.23878	17.97219	.59125	.00000
.899	86.131	.10533	18.04610	9.14892	-.05887	-2.81675	.11652	.64102	18.04397	.57788	.00000
.899	88.029	.10364	18.17299	8.30912	-.06088	-2.78599	.12777	.08230	18.16082	.54301	.00000
.899	89.937	.10598	18.33129	7.39603	-.05451	-2.91012	.18369	-.53189	18.33189	.55210	.00000
.899	91.890	.10165	18.29128	6.38309	-.05691	-2.80104	.18233	-1.12510	18.26411	.52211	.00000
.899	93.823	.10116	18.31138	5.29601	-.04743	-2.82278	.20538	-1.69723	18.23881	.47749	.00000
.899	95.802	.09911	18.18144	4.11125	-.04512	-2.82226	.24282	-2.23251	18.04821	.39651	.00000
.900	97.788	.09473	17.88520	2.82500	-.05021	-2.77668	.28832	-2.72357	17.67921	.30285	.00000
.900	99.863	.09057	17.65396	1.46131	-.04834	-2.68829	.29253	-3.21653	17.35956	.19545	.00000
.900	103.283	.08519	17.14914	-.65226	-.03922	-2.57294	.28983	-3.92175	16.69471	-.01888	.00000
	GRADIENT	-.00086	-.00371	-.53521	.00110	.00717	.01174	-.26309	-.01342	-.02290	.00000

RUN NO. 40/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.000	79.590	.13425	21.07011	12.30319	-.06795	-3.06593	.08615	3.24339	20.82729	.58611	.00000
1.198	81.990	.13116	21.38206	11.73188	-.07120	-2.99702	.09926	2.43826	21.25971	.54808	.00000
1.197	83.811	.13112	21.48966	11.18343	-.07227	-2.95993	.07795	1.82454	21.41781	.49537	.00000
1.198	85.881	.13023	21.53405	10.58635	-.07059	-2.97662	.11624	1.11841	21.50920	.42570	.00000
1.197	87.812	.13045	21.50544	10.12579	-.06464	-2.97851	.11704	.45936	21.50358	.36188	.00000
1.198	89.795	.12936	21.54877	9.66191	-.06563	-2.99113	.14914	-.20410	21.54964	.28128	.00000
1.199	91.788	.13041	21.60150	9.21297	-.06589	-3.04494	.17363	-.86719	21.58498	.19343	.00000
1.199	93.782	.13332	21.46837	8.47275	-.07119	-3.12538	.18387	-1.52939	21.41413	.11353	.00000
1.200	95.809	.13296	21.37927	7.84737	-.06835	-3.15575	.20830	-2.14164	21.27175	.02979	.00000
1.201	97.804	.13214	21.22313	7.30568	-.05937	-3.14224	.20286	-2.78830	21.03924	-.05344	.00000
1.202	99.606	.12931	20.96378	6.34317	-.05669	-3.11072	.21612	-3.36596	20.69244	-.16345	.00000
1.202	101.585	.12434	20.79717	5.85013	-.06395	-3.01607	.21390	-3.90507	20.42914	-.27697	.00000
1.202	103.501	.12120	20.37929	4.92910	-.06063	-2.96157	.20850	-4.37430	19.90620	-.39449	.00000
	GRADIENT	-.00029	-.02873	-.30631	.00045	-.00293	.00649	-.32323	-.03993	-.04137	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (RPS021) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	3.600	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 36/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.400	79.196	.78442	9.65948	6.53500	.00171	-20.27364	-1.18375	1.82344	9.48582	-.01299	.00000
.400	79.951	.78146	9.64498	6.21512	.00729	-20.29644	-1.09978	1.69421	9.49502	-.01137	.00000
.400	81.563	.76750	9.65195	5.64985	.00777	-19.98873	-.96269	1.41396	9.54781	.00226	.00000
.399	83.524	.73693	9.74492	4.98757	.00922	-19.33417	-.75019	.92796	9.70216	.17220	.00000
.399	85.912	.74479	9.89029	4.66066	.00669	-19.35858	-.85831	.51151	9.87896	.19407	.00000
.399	87.938	.75678	9.94570	4.29250	.00654	-19.44976	-1.00821	.16572	9.94618	.19228	.00000
.399	89.734	.76922	9.94425	4.01030	.01069	-19.79808	-.99701	-.11978	9.94491	.16589	.00000
.399	92.083	.78146	9.94102	3.87674	.00762	-20.11185	-1.02293	-.43311	9.93184	.07175	.00000
.400	93.762	.77086	9.92867	3.73631	.01158	-19.99979	-.90084	-.60375	9.91041	-.04780	.00000
.399	95.718	.77226	9.78344	2.88991	.00540	-20.07222	-.93353	-.78819	9.75344	-.18750	.00000
.400	97.903	.77174	9.69475	1.29118	.00658	-19.77477	-1.23139	-1.04348	9.64286	-.29235	.00000
.400	99.618	.75058	9.57480	.35510	.01519	-19.33490	-1.19875	-1.24656	9.50007	-.35825	.00000
.399	103.191	.73680	9.50613	-1.40869	.01945	-20.18176	-.43882	-1.62602	9.38265	-.55807	.00000
	GRADIENT	-.00065	-.00302	-.28502	.00039	.00388	.00663	-.14540	-.00088	-.02231	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (RPS022) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	4.200	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 41/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	80.154	.30376	21.32153	12.23104	-.06846	-3.28090	.07876	3.08442	21.10494	.56986	.00000
1.199	81.928	.29823	21.54759	11.67456	-.06956	-3.21101	.09619	2.51532	21.40648	.51546	.00000
1.199	83.897	.28964	21.59581	11.11944	-.06993	-3.10393	.07526	1.83677	21.52251	.46169	.00000
1.199	85.937	.28812	21.66225	10.55449	-.06798	-3.10938	.10039	1.13793	21.63600	.39788	.00000
1.199	87.950	.28824	21.70854	10.09042	-.06807	-3.15578	.14136	.49333	21.70622	.32338	.00000
1.199	89.935	.29407	21.78124	9.65691	-.06218	-3.25145	.17186	-.21886	21.78150	.24341	.00000
1.199	91.753	.29278	21.80066	9.32087	-.06115	-3.24881	.17896	-.83294	21.78538	.16618	.00000
1.199	93.752	.29065	21.75680	8.81432	-.06298	-3.25086	.19465	-1.50668	21.70473	.08326	.00000
1.199	95.661	.28925	21.59999	8.16911	-.06288	-3.26311	.20932	-2.12795	21.49495	-.00320	.00000
1.199	97.560	.28941	21.40868	7.52378	-.06236	-3.29337	.22303	-2.72596	21.23482	-.09138	.00000
1.200	99.671	.28704	21.24857	6.90879	-.06665	-3.28264	.22094	-3.37998	20.97890	-.19219	.00000
1.199	101.582	.27912	21.01992	6.37126	-.06563	-3.24547	.24270	-3.91736	20.65399	-.30924	.00000
1.200	103.963	.27244	20.71268	5.59920	-.06855	-3.19989	.24116	-4.55029	20.21194	-.46108	.00000
	GRADIENT	-.00079	-.02454	-.27062	.00014	-.00323	.00785	-.32606	-.03672	-.04248	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (RPS023) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	5.100	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 35/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.599	79.575	.74480	14.19912	9.36568	-.03282	-10.59089	.31422	2.22833	14.02746	.34682	.00000
.599	81.627	.74868	14.66014	8.78150	-.03464	-10.67385	.38559	1.74850	14.55944	.33899	.00000
.600	83.722	.76050	15.03737	8.29554	-.03617	-10.79827	.39960	1.33373	14.98137	.31250	.00000
.600	85.843	.72959	15.26218	7.82180	-.03391	-10.55955	.57285	.86321	15.23970	.24369	.00000
.600	87.879	.69467	15.46845	7.48109	-.03399	-10.24055	.71724	.38731	15.46472	.18537	.00000
.600	89.808	.68545	15.61175	7.03268	-.03256	-10.12680	.72790	-.08520	15.61213	.13739	.00000
.600	91.650	.69186	15.67543	6.68521	-.02971	-10.14813	.67389	-.60406	15.66453	.15272	.00000
.599	93.958	.72075	15.42944	5.84336	-.02906	-10.40286	.53860	-1.14925	15.38681	.08430	.00000
.600	95.903	.73234	15.12388	5.23215	-.02942	-10.35716	.35089	-1.56305	15.04289	.00761	.00000
.601	97.854	.73701	14.79718	4.46485	-.02906	-10.28095	.22484	-1.92662	14.67153	-.09626	.00000
.599	100.160	.79879	14.14001	3.25059	-.02405	-11.32379	.30463	-2.28458	13.95586	-.21308	.00000
.600	103.478	.80739	13.59913	1.61092	-.02502	-11.52363	.27658	-2.76429	13.32174	-.41687	.00000
	GRADIENT	.00193	-.02560	-.30402	.00049	-.02203	-.00705	-.21906	-.03064	-.02998	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (RPS024) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	5.500	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 34/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.899	80.155	.40695	18.67999	11.85943	-.05986	-4.18233	.30339	2.56953	18.51327	.63367	.00000
.899	82.555	.40128	18.87869	11.01445	-.06084	-4.06939	.27632	1.85372	18.79696	.59753	.00000
.899	84.193	.40042	18.95127	10.26629	-.06304	-4.10244	.31931	1.35379	18.91134	.56644	.00000
.899	86.060	.41869	19.06409	9.44650	-.06138	-4.33444	.37886	.77882	19.05561	.53234	.00000
.899	88.416	.39006	19.16964	8.19301	-.05612	-4.03625	.35625	.04974	19.17559	.48020	.00000
.899	90.327	.38450	19.22870	7.27352	-.05507	-3.95464	.33251	-.56115	19.22581	.45149	.00000
.899	92.178	.38136	19.23420	6.41629	-.05470	-3.90915	.31743	-1.14799	19.20445	.41718	.00000
.899	94.220	.36937	19.13945	5.20037	-.05001	-3.85549	.35787	-1.75186	19.06222	.34445	.00000
.900	96.415	.35361	19.03802	3.84790	-.05106	-3.75114	.38218	-2.37234	18.89124	.24680	.00000
.900	98.245	.35869	18.91067	2.84390	-.05032	-3.75736	.33831	-2.85738	18.69413	.14687	.00000
.899	100.224	.36336	18.63637	1.69805	-.05048	-3.75832	.28622	-3.33154	18.33258	.04445	.00000
.900	102.271	.36408	18.41104	.27294	-.05110	-3.82888	.31903	-3.82720	18.00908	-.08794	.00000
.900	103.696	.37207	18.19938	-.56556	-.05046	-3.95888	.34604	-4.14751	17.72127	-.16629	.00000
	GRADIENT	-.00228	-.01984	-.53549	.00057	.01781	.00080	-.29005	-.03505	-.03333	.00000

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SA-2F(8TPT-655)SRB WITH STRAKES (RPS025) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 46/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.400	79.056	.26998	7.87994	7.76676	-.16065	-5.68769	-1.47263	1.72305	7.69273	-.23121	.00000
.399	81.047	.20274	7.89403	6.53508	-.16290	-4.38244	-.99545	1.19800	7.80266	.03087	.00000
.400	82.712	.17223	8.00308	6.09218	-.16422	-3.57099	-.94748	.90640	7.95234	.10967	.00000
.400	84.733	.16080	8.04814	5.41094	-.17019	-3.39522	-.82290	.57876	8.02891	.16071	.00000
.399	86.727	.17130	8.14653	4.95402	-.16368	-3.58784	-.90030	.34608	8.14005	.11917	.00000
.400	88.819	.19720	8.19816	4.32855	-.14256	-3.89025	-1.22062	.12599	8.19730	.04294	.00000
.399	90.694	.20649	8.21151	3.92407	-.15874	-4.03659	-1.31077	-.07665	8.21119	-.02280	.00000
.400	92.637	.20452	8.22473	3.39769	-.15978	-3.94189	-1.34289	-.24616	8.22211	-.13237	.00000
.400	94.645	.16325	8.25792	2.24259	-.16161	-3.05816	-1.15149	-.46038	8.24771	-.20832	.00000
.400	96.731	.13877	8.22644	.95765	-.14159	-2.69668	-.91030	-.69509	8.20150	-.27092	.00000
.400	98.738	.13557	8.20514	.10541	-.14299	-2.39054	-1.09751	-.90086	8.16303	-.34970	.00000
.400	100.843	.14172	8.11671	-.85710	-.14514	-2.54161	-1.14444	-1.09782	8.05398	-.43681	.00000
.399	103.514	.22943	7.93728	-1.34987	-.12564	-5.61033	-.68935	-1.32993	7.84366	-.53981	.00000
	GRADIENT	-.00201	.00791	-.37063	.00127	.04465	.00703	-.11686	.00971	-.02263	.00000

RUN NO. 45/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.599	79.454	-.00827	14.13347	9.03971	-.20307	.14809	-.02830	2.37983	13.93326	.21061	.00000
.600	79.915	-.007[illegible]	14.29225	8.92914	-.20155	.13553	-.02719	2.29526	14.10832	.21077	.00000
.599	81.783	.00034	14.64645	8.65451	-.20400	.02973	-.02804	1.87761	14.52724	.21783	.00000
.599	83.799	-.01246	15.46489	8.51523	-.20987	.13337	.02911	1.51482	15.39132	.15668	.00000
.599	85.872	-.00725	15.97293	8.23636	-.21103	.09142	.00543	1.07494	15.93689	.07497	.00000
.600	87.763	-.02046	16.22493	7.68842	-.21684	.27088	.00401	.60507	16.21367	.02837	.00000
.599	89.908	-.02741	16.85343	7.39446	-.22893	.40369	-.02768	.01986	16.85342	.00735	.00000
.599	91.912	-.03978	17.39569	9.33866	-.23760	.63896	-.08279	-.58201	17.38595	.00172	.00000
.599	94.101	-.06211	17.28598	9.69018	-.23758	1.06129	-.17979	-1.17387	17.24619	-.06258	.00000
.599	95.929	-.05977	16.82403	9.28185	-.23368	1.20215	-.31923	-1.56710	16.75177	-.17177	.00000
.600	97.935	-.08171	14.53630	7.23228	-.22483	1.40829	-.24386	-1.74544	14.43354	-.26386	.00000
.599	99.724	-.07150	13.74431	5.59836	-.21648	1.33604	-.29046	-1.97101	13.60689	-.35549	.00000
.598	103.855	-.06537	12.97356	2.99812	-.21570	1.74824	-.68258	-2.53381	12.73740	-.59009	.00000
	GRADIENT	-.00342	-.01425	-.14827	-.00099	.07345	-.02163	-.21753	-.01462	-.03004	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (RPS025) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 44/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	80.025	-.23892	17.75638	12.89930	-.21981	1.47842	.61614	2.52931	17.58407	.55483	.00000
.900	82.219	-.23274	18.11459	11.84102	-.21861	1.50679	.53482	1.91822	18.02081	.53913	.00000
.900	84.284	-.22622	18.30824	10.71011	-.22212	1.50438	.48055	1.31639	18.26796	.50957	.00000
.899	86.331	-.21556	18.35376	9.53234	-.22201	1.40626	.47688	.68658	18.34743	.48891	.00000
.900	88.309	-.22164	18.46889	8.52305	-.22175	1.50270	.44088	.06182	18.47511	.48326	.00000
.900	90.179	-.22874	18.42852	7.44507	-.22240	1.57759	.43193	-.54645	18.42695	.48877	.00000
.900	92.605	-.22565	18.43349	6.03625	-.21942	1.51298	.46354	-1.25238	18.39558	.41493	.00000
.900	94.170	-.22231	18.39874	5.05579	-.21977	1.50000	.45136	-1.69053	18.32432	.35371	.00000
.900	96.411	-.24037	18.25860	3.86049	-.21780	1.63210	.48625	-2.28094	18.11721	.24383	.00000
.900	98.086	-.25112	18.16084	2.96549	-.21610	1.72347	.50122	-2.69904	17.95975	.14592	.00000
.900	99.780	-.26601	17.97863	2.07346	-.21351	1.97449	.57112	-3.09194	17.71080	.03860	.00000
.900	104.006	-.29153	17.42170	-.62880	-.21254	2.04233	.59276	-3.95517	16.96894	-.26993	.00000
	GRADIENT	-.00233	-.01255	-.56286	.00034	.02225	.00067	-.27988	-.02434	-.03074	.00000

RUN NO. 43/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	79.970	-.22698	20.63936	12.36096	-.19651	1.76178	.50427	3.02191	20.42522	.58171	.00000
1.199	81.980	-.22751	20.82514	11.74411	-.19777	1.72829	.52654	2.39129	20.69391	.51926	.00000
1.199	83.911	-.22692	20.92846	11.18438	-.19704	1.71110	.52785	1.76150	20.85930	.46112	.00000
1.199	85.938	-.22862	20.91158	10.61846	-.19772	1.72363	.52654	1.08979	20.88686	.39262	.00000
1.199	87.676	-.23001	21.01177	10.24009	-.19861	1.72775	.53131	.46059	21.00914	.31838	.00000
1.199	89.604	-.22501	21.12156	9.60145	-.20032	1.70529	.50615	-.16733	21.12226	.23964	.00000
1.199	91.723	-.22441	21.18364	9.04382	-.19961	1.71944	.49066	-.79870	21.16939	.16165	.00000
1.200	93.692	-.22543	21.14101	8.53209	-.19863	1.73168	.49184	-1.43083	21.09265	.06954	.00000
1.201	95.738	-.22492	21.00760	7.77217	-.19886	1.74637	.48114	-2.07963	20.90442	-.02080	.00000
1.201	97.717	-.22529	20.78582	6.93151	-.20333	1.74897	.49027	-2.68124	20.61247	-.11106	.00000
1.200	99.551	-.22885	20.58175	6.42730	-.19944	1.79698	.49158	-3.22122	20.32906	-.19659	.00000
1.201	103.958	-.23445	20.14415	5.64135	-.19702	1.93357	.45998	-4.39292	19.66519	-.48025	.00000
	GRADIENT	-.00011	-.01525	-.29108	-.00011	.00541	-.00247	-.31491	-.02516	-.04297	.00000

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SA-2F (STPT-655) SRB (RPS026) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 120/ 0 RN/L = 3.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.399	-1.135	-.00460	-.15829	-.05704	-.00289	.03178	.02612	-.14297	.77501	.77203	.24050
.399	.922	-.00498	.00802	.03890	.00022	.03778	.02728	-.00456	.78191	.78189	.24301
.401	2.925	-.00468	.13681	.15255	-.00017	.03149	.02759	.09638	.79475	.78880	.24688
.399	5.036	-.00208	.32508	.34485	-.00409	.01060	.01244	.25125	.85210	.82676	.25453
.399	7.011	-.00199	.46688	.52170	-.00422	-.02447	.01969	.35934	.90306	.85245	.26559
.399	9.030	.00196	.62997	.72608	-.01531	-.07606	.00315	.48431	.96631	.87833	.28052
.400	10.052	.00490	.73291	.85020	-.00757	-.06[illegible]7	-.01954	.56750	.99759	.88323	.28876
.399	10.661	.00506	.81761	.95135	-.00777	-.07405	-.01938	.63527	1.02804	.88993	.29373
.400	12.867	.00567	1.02328	1.30498	-.00116	-.00466	-.03926	.79960	1.09463	.88909	.30403
.399	15.165	.00486	1.24395	1.73287	-.01022	.07208	-.05089	.96779	1.18451	.89009	.31415
.399	17.285	.00935	1.47705	2.20209	-.00733	.18331	-.10838	1.14835	1.28082	.88177	.32119
.399	19.367	.00713	1.73456	2.67665	-.00901	.26819	-.11190	1.35322	1.38085	.85395	.32707
.399	21.167	.00920	1.97483	3.08593	-.01367	.32339	-.13950	1.53990	1.49223	.83551	.33133
.399	23.266	-.00244	2.28140	3.62085	-.01249	-.04521	.02799	1.78078	1.63402	.79775	.33573
	GRADIENT	-.00007	.07272	.05160	.00067	-.00006	.00036	.05899	.00486	.00413	.00157

RUN NO. 121/ 0 RN/L = 5.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.599	-1.159	-.00557	-.10011	-.02372	-.00574	.01884	.01564	-.08373	.81064	.80878	.25187
.599	.871	-.00725	.05263	.03394	-.00456	.02245	.02064	.04030	.81180	.81109	.25494
.599	2.956	-.00624	.22805	.13684	-.00509	.01872	.01782	.18516	.83656	.82590	.25655
.599	5.161	-.00651	.38433	.30839	-.00372	.01681	.01864	.30580	.88678	.85568	.26620
.600	7.003	-.00042	.52706	.46452	-.00514	-.03648	.00968	.41546	.94078	.88311	.27780
.601	9.044	.00106	.71076	.65640	-.00730	-.06027	.00987	.55869	1.01160	.91120	.29225
.601	9.997	.00569	.81186	.77717	-.00710	-.08001	-.00180	.63969	1.04768	.92072	.30025
.600	11.072	.00903	.91781	.93130	-.00744	-.05369	-.01946	.72125	1.09339	.93452	.30795
.600	13.201	.01020	1.11217	1.26524	-.00848	.01439	-.03896	.86936	1.16383	.93455	.31902
.600	15.321	.01169	1.34406	1.71389	-.00718	.03383	-.04863	1.04951	1.25590	.93395	.32959
.600	17.375	.00772	1.58146	2.22121	-.00849	.09670	-.04898	1.23522	1.34818	.91779	.33678
.600	19.359	.00925	1.81932	2.72728	-.00753	.15912	-.06859	1.41874	1.45041	.89810	.34230
.600	21.517	.00121	2.11944	3.29685	-.01124	.02735	-.01046	1.65342	1.58475	.86787	.34915
.600	23.585	-.01391	2.41327	3.89077	-.00457	-.04836	.06095	1.87807	1.72974	.83383	.35795
	GRADIENT	-.00016	.07977	.03906	.00016	-.00004	.00052	.06536	.00632	.00417	.00114

SA-2F(8TPT-655)SRB (RP5026) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 122/ 0 RN/L = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.800	-1.174	-.00569	-.09780	.02264	-.00027	.00875	.01158	-.07953	.89218	.89036	.23128
.801	1.054	-.00931	.09668	-.02558	-.00258	.01534	.01854	.08020	.89714	.89552	.23405
.800	3.171	-.00686	.27002	-.00209	-.00194	.01777	.01214	.21820	.94281	.92930	.24196
.800	5.066	-.00928	.40994	.13106	-.00125	.01677	.01801	.32291	.99980	.96738	.25421
.800	7.504	-.00218	.63106	.28263	-.00262	-.02275	.01022	.49312	1.08853	1.01481	.27243
.800	9.221	.00242	.77876	.40228	-.00132	-.05728	.00725	.60268	1.14747	1.03607	.28452
.800	10.360	.00420	.89814	.52471	-.00171	-.04654	.00066	.69528	1.19102	1.04657	.29536
.799	11.219	.00834	.98841	.60145	-.00318	-.03686	-.01124	.76430	1.22698	1.05484	.30027
.800	13.411	-.00630	1.22616	.89976	-.00331	-.02891	.02126	.94642	1.31740	1.06197	.31333
.800	15.361	-.03247	1.48417	1.24101	-.00629	-.04494	.08642	1.15138	1.41157	1.05614	.32378
.800	17.589	-.06126	1.77724	1.71118	-.00528	-.09395	.16566	1.38019	1.52743	1.03894	.33512
.800	19.650	-.07718	2.10574	2.24438	-.00691	-.08119	.20135	1.64193	1.66359	1.01455	.34509
.800	21.923	-.05664	2.48480	2.91500	-.00881	-.00677	.13707	1.93845	1.83876	.98205	.35665
.799	24.068	-.01418	2.87936	3.71077	-.00781	.01082	.03182	2.24075	2.04357	.95207	.36964
	GRADIENT	-.00028	.08468	-.00583	-.00039	.00208	.00016	.06855	.01157	.00890	.00245

RUN NO. 119/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	-1.155	-.00688	-.10352	.01979	-.00182	.01133	.01421	-.08217	1.05962	1.05775	.25309
.899	.804	-.00695	.06338	-.02841	.00262	.01677	.01308	.04861	1.05222	1.05144	.25601
.899	2.859	-.00726	.23739	-.02320	-.00077	.02427	.01207	.18369	1.08115	1.07064	.25880
.899	5.071	-.00689	.42212	.05012	-.00269	.01593	.01299	.32186	1.14849	1.11554	.27368
.898	7.014	-.00798	.61125	.12012	-.00444	-.01929	.02351	.46561	1.22118	1.15518	.29105
.899	9.112	-.00718	.81035	.22271	-.00364	-.04145	.02653	.60997	1.31393	1.20075	.31005
.899	10.127	-.00657	.92567	.31050	-.00401	-.03984	.02470	.69856	1.35355	1.20963	.31814
.899	11.227	-.01471	1.05303	.42297	-.00490	-.02870	.04170	.79511	1.40286	1.22121	.32585
.899	13.212	-.03832	1.31074	.71482	-.00422	-.01886	.09621	.99645	1.49052	1.22333	.34065
.899	15.371	-.06552	1.60239	1.10544	-.00776	.00441	.15671	1.22469	1.59013	1.20861	.35232
.899	17.461	-.09815	1.93986	1.62482	-.00932	.05965	.22376	1.49454	1.71360	1.18618	.36240
.899	19.529	-.11662	2.28415	2.24442	-.00782	.13873	.25221	1.76549	1.85533	1.15841	.37162
.898	21.990	-.03677	2.72240	3.17718	-.01071	.06498	.07562	2.10761	2.05135	1.11294	.38345
.899	24.023	-.03640	3.10210	4.19777	-.01245	.05826	.07686	2.39240	2.25231	1.08325	.39358
	GRADIENT	-.00010	.08493	-.01060	.00025	.00323	-.00053	.06623	.00543	.00326	.00142

SA-2F(8TPT-655)SRB (RPS026) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 118/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.000	-1.156	-.00290	-.12185	.06892	-.00048	-.00221	.00795	-.09347	1.40803	1.40586	.33456
.999	.988	-.00377	.08510	-.05323	-.00294	.00976	.00743	.06076	1.41287	1.41161	.33877
1.000	2.846	-.00418	.26147	-.12454	-.00135	.04025	.00155	.18851	1.47392	1.46275	.35211
1.000	4.977	-.00345	.42789	.04839	-.00307	.01922	.00440	.29309	1.56637	1.53504	.37252
.999	7.042	.00150	.62098	.18466	-.00169	-.03264	.00356	.42000	1.66510	1.60105	.39528
1.000	9.173	.00966	.83934	.46134	-.00295	-.07325	-.00785	.56516	1.76526	1.65259	.41479
1.000	10.099	.00510	.95135	.61567	-.00377	-.04236	-.00330	.64494	1.80438	1.66332	.42254
1.000	11.263	.00819	1.07809	.83037	-.00225	-.07446	-.00386	.73290	1.83954	1.66096	.42957
.999	13.684	.01270	1.37744	1.45420	-.00599	-.00791	-.03033	.94716	1.93254	1.65362	.44343
1.000	15.553	.00929	1.62216	2.10161	-.00550	.03146	-.03061	1.12376	2.01226	1.63726	.44912
.999	17.685	.00589	1.95965	2.92249	-.00945	.08955	-.03516	1.38195	2.11669	1.59684	.45577
.999	19.645	.00814	2.39653	3.96949	-.00877	.10204	-.04382	1.72466	2.28083	1.55990	.46354
1.000	22.015	.01116	2.88457	5.12644	-.01018	.04209	-.03824	2.10955	2.47790	1.50648	.47020
.998	24.209	.01216	3.42932	6.50117	-.00847	-.07235	-.01537	2.53216	2.73088	1.45234	.48190
	GRADIENT	-.00010	.09009	-.00634	-.00031	.00459	-.00080	.06352	.02640	.02160	.00627

RUN NO. 117/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	-1.266	-.00337	-.11457	-.00114	-.00369	.00202	.00878	-.07997	1.56678	1.56463	.29545
1.199	.935	-.00428	.11705	-.21337	-.00059	.01466	.00834	.09172	1.55398	1.55228	.28954
1.200	3.049	-.00643	.29291	-.13211	-.00039	.06597	.00256	.20878	1.58699	1.57363	.29236
1.199	5.079	-.00548	.40675	.28299	-.00172	.04410	.00487	.26171	1.64991	1.62026	.30136
1.199	7.046	-.00127	.57177	.61697	-.00303	.00938	.00131	.36310	1.72349	1.66594	.31117
1.199	9.166	.00817	.77101	1.04396	-.00551	-.03425	-.01426	.48661	1.82447	1.72366	.32825
1.200	10.153	.00777	.87382	1.28021	-.00129	-.04254	-.01128	.55410	1.86298	1.73613	.34102
1.200	11.164	.01077	.99203	1.53292	-.00294	-.03057	-.02208	.63608	1.90059	1.74146	.34526
1.200	13.372	.00906	1.25057	2.21328	-.00563	.05018	-.03569	.81528	1.97777	1.73560	.35069
1.200	15.591	.00805	1.56939	3.02280	-.00505	.08895	-.04176	1.05135	2.07142	1.71263	.35388
1.199	17.820	.00583	2.00587	4.06848	-.00756	.12630	-.04426	1.39651	2.21015	1.67674	.35803
1.199	19.795	.00330	2.46916	5.10720	-.00875	.14392	-.04141	1.76629	2.38363	1.64461	.36249
1.201	20.934	.00333	2.76476	5.78585	-.00908	.12671	-.03762	2.00137	2.50635	1.62584	.36928
1.201	22.068	.00265	3.07022	6.42632	-.01104	.11691	-.03362	2.24285	2.63951	1.60348	.37502
1.200	24.244	.00018	3.66312	7.64761	-.01181	.06425	-.01497	2.69835	2.92909	1.56276	.38272
	GRADIENT	-.00071	.09451	-.03081	.00077	.01476	-.00143	.06699	.00461	.00203	-.00073

SA-2F(8TPT-655)SRB (RPS027) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 116/ 0 RN/L = 3.73 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.400	19.039	-.00057	1.59817	2.54173	.00163	-.18610	.04598	1.23678	1.31523	.83984	.31417
.401	21.176	.00981	1.86171	3.05967	.00088	-.03072	-.06318	1.44259	1.42989	.81222	.31837
.401	23.213	.00865	2.11669	3.58546	-.00317	-.09238	-.04068	1.63109	1.56702	.79728	.32313
.400	25.258	.01315	2.36446	4.08066	-.00423	.01799	-.09728	1.81435	1.69576	.75948	.33035
.400	27.266	.02666	2.65931	4.56051	-.00505	.20977	-.23594	2.00398	1.87770	.74182	.34292
.400	29.386	.02539	2.96906	5.07950	-.00521	.11938	-.20688	2.24022	2.07273	.70676	.35994
.400	30.349	.02885	3.16399	5.28747	-.01294	.10917	-.22904	2.38034	2.19654	.69281	.36959
.400	31.381	.02796	3.33238	5.53109	-.00934	.06974	-.21381	2.49494	2.30908	.67215	.37941
.400	33.445	.00982	3.71190	5.94375	-.00897	.04562	-.07993	2.73611	2.59255	.65526	.39995
.400	35.472	-.00190	4.14475	6.26203	-.01056	.29141	-.05211	3.01824	2.90655	.61556	.42610
.400	37.505	-.06271	4.65710	6.48615	-.01644	1.04381	.21312	3.35046	3.28365	.56508	.45822
.400	39.545	-.10109	5.24181	6.77934	-.01751	1.58158	.36929	3.72441	3.72213	.49892	.48201
.400	41.655	-.14287	5.78400	7.25252	-.02075	2.32362	.50954	4.04979	4.14981	.40886	.49263
.400	43.694	-.16276	6.18906	7.79411	-.02740	2.99173	.51443	4.24890	4.51204	.32721	.49406
	GRADIENT	-.00670	.18868	.20558	-.00104	.10971	.02375	.12504	.13101	-.01927	.00853

RUN NO. 115/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.601	19.216	-.00324	1.73003	2.65497	.00107	-.24687	.06710	1.34301	1.40320	.88299	.32970
.600	21.457	.00738	2.02305	3.27408	.00012	-.13318	.00391	1.57128	1.53270	.85169	.33640
.600	23.545	.01386	2.30003	3.86281	.00164	-.10788	-.02445	1.78123	1.66996	.81939	.34217
.599	25.565	.00784	2.60282	4.46149	.00070	-.12114	-.00027	2.00294	1.84452	.79957	.35573
.599	27.699	.00474	2.96416	5.07637	-.00274	-.07301	-.00019	2.26468	2.06316	.77406	.37398
.599	29.773	-.04580	3.34012	5.64805	-.00398	-.00757	.16211	2.52529	2.31224	.75307	.39241
.599	30.837	-.07853	3.57084	5.93623	-.00394	.08690	.25551	2.69049	2.45944	.73260	.40417
.599	31.872	-.12509	3.81447	6.16821	-.00601	.29270	.37234	2.85953	2.62503	.71937	.41643
.599	34.066	-.23725	4.41352	6.53626	-.01383	1.29756	.54108	3.27600	3.03440	.67866	.44482
.600	36.182	-.41211	5.15939	6.80550	-.01809	2.97422	.78144	3.80749	3.53380	.60451	.46673
.599	38.296	-.51460	5.93901	7.36857	-.02467	4.01299	.91811	4.33063	4.09898	.53315	.47709
.600	40.472	-.65048	6.50644	8.30037	-.01947	.74276	.01230	4.65398	4.56965	.45549	.48732
.599	42.707	.28873	7.26326	8.96139	-.01502	-2.28959	-.52193	5.10031	5.21252	.37106	.50191
	GRADIENT	-.00631	.23835	.25658	-.00110	.05536	.00949	.16375	.16156	-.02063	.00822

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SA-2F (8TPT-655) SRB (RPS027) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 114/ 0 RN/L = 6.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.800	19.330	-.04477	2.00067	2.11934	-.00316	-.18026	.14698	1.55921	1.59922	.99295	.33013
.800	21.734	-.05481	2.39517	2.83555	-.00179	-.19864	.17407	1.86923	1.77915	.96049	.34120
.800	23.891	-.03729	2.78359	3.63215	-.00514	-.11159	.11278	2.16906	1.97626	.92847	.35436
.800	26.036	-.00856	3.16720	4.56138	-.00748	-.06304	.03425	2.44880	2.20287	.90448	.36921
.800	28.247	-.02984	3.57774	5.65064	-.00786	.08080	.05161	2.74041	2.45875	.86896	.38582
.799	30.421	-.11817	4.04245	6.72722	-.00945	.27314	.21520	3.06709	2.76017	.82714	.40420
.800	31.545	-.16209	4.31787	7.29987	-.00929	.52261	.26149	3.26054	2.94198	.80145	.41541
.799	32.642	-.27495	4.62520	7.72326	-.01424	1.08464	.40026	3.47678	3.14716	.77472	.42748
.800	34.689	-.51709	5.42525	8.50006	-.02032	2.81538	.57984	4.05108	3.67543	.69764	.44758
.800	37.143	-.38682	6.04911	9.84796	-.02168	2.53274	.34667	4.45180	4.14113	.61295	.44855
.800	39.386	-.07993	6.47793	11.80664	-.02003	.83508	.00165	4.65417	4.53992	.55558	.45234
.800	41.724	.04706	7.24295	13.36583	-.01969	.06050	-.12608	5.08482	5.18049	.48230	.45618
	GRADIENT	-.00793	.23652	.49382	-.00096	.08101	.00036	.16161	.15956	-.02297	.00637

RUN NO. 113/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	19.516	-.13743	2.24869	2.23300	-.00530	-.03133	.34133	1.74473	1.80861	1.12185	.35333
.900	21.651	-.12225	2.61610	3.00255	-.00416	-.01582	.29947	2.03010	1.97646	1.08799	.36448
.898	23.843	-.06288	3.01484	4.07097	-.00692	-.04170	.16116	2.33160	2.18250	1.05375	.37535
.899	26.047	-.07921	3.40592	5.30978	-.00878	.17059	.15176	2.61171	2.41275	1.02085	.38937
.899	28.247	-.07705	3.94215	6.55590	-.01252	.48076	.07647	3.00642	2.73362	.98522	.41097
.900	30.491	-.06833	4.55021	7.86431	-.01579	.79208	.03321	3.44500	3.11710	.93806	.43107
.900	31.659	-.19261	4.93506	8.61460	-.01587	1.29646	.16957	3.72162	3.36709	.91268	.44583
.900	32.744	-.12851	5.18766	9.22728	-.01691	.99829	.08341	3.88331	3.55234	.88740	.45137
.900	35.012	.09685	5.86118	10.80621	-.01525	-.52409	-.11483	4.32616	4.03996	.82675	.46152
.899	37.357	.09917	6.75726	12.62635	-.01874	-.74797	-.07148	4.91668	4.69551	.74894	.46812
.901	39.790	.09895	7.97217	14.21136	-.02060	-1.17844	.02494	5.70273	5.60993	.66107	.47170
	GRADIENT	.01086	.27140	.59819	-.00084	-.03516	-.01843	.18902	.17855	-.02179	.00660

SA-2F(8TPT-655)SRB (RPS027) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 112/ 0 RN/L = 4.86 GRADIENT INTERVAL = .00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.000	19.547	.00792	2.30350	5.77323	-.00454	-.13176	.00940	1.67302	2.17259	1.48763	.42313
1.000	21.811	.01938	2.78794	4.97831	-.00587	-.15607	-.01417	2.05230	2.37535	1.44278	.43208
1.000	24.014	.01358	3.30822	6.34852	-.00697	-.14980	-.00065	2.45194	2.62554	1.40043	.44096
1.000	26.197	.01336	3.83865	7.66948	-.01000	-.06164	-.01984	2.84387	2.91509	1.36020	.46000
1.000	28.477	.01385	4.41963	9.07454	-.01222	.08193	-.05335	3.25896	3.26123	1.31276	.47757
.999	30.722	.00626	5.10674	10.98358	-.01345	.08148	-.03412	3.74747	3.69016	1.25777	.48710
.999	31.896	.00406	5.52603	11.97999	-.01370	.02166	-.01512	4.04689	3.95584	1.22021	.48719
.998	33.037	-.01531	5.91852	12.71844	-.01678	.01015	.03642	4.31943	4.21416	1.17799	.49079
1.000	35.383	.00377	6.92060	14.31265	-.02004	-.39525	.07943	4.99713	4.91580	1.11429	.49879
1.000	36.578	-.00470	7.53875	14.82115	-.01770	-.77092	.18550	5.40991	5.36039	1.08081	.51082
	GRADIENT	-.00121	.29988	.67447	-.00089	-.01744	.00701	.21440	.18221	-.02390	.00515

RUN NO. 111/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	19.646	.00874	2.40002	5.10135	-.00087	-.11864	.00287	1.73071	2.29045	1.57524	.32991
1.200	21.830	.01278	2.93716	6.29518	-.00712	-.15891	.00112	2.14669	2.53974	1.55938	.34825
1.200	24.050	.00972	3.54255	7.50272	-.00652	-.14980	.00750	2.61075	2.84254	1.53180	.36576
1.200	26.286	.00606	4.23025	8.65029	-.01177	-.16050	.01984	3.13452	3.20617	1.48651	.37431
1.200	28.562	.00372	5.07151	9.88802	-.01684	-.00944	-.00786	3.76714	3.68708	1.43725	.38118
1.200	30.837	-.00662	6.00261	11.09776	-.01760	.38032	-.06732	4.45472	4.24827	1.36421	.38422
1.200	31.992	-.00442	6.55010	11.59208	-.02232	.72386	-.15110	4.83734	4.61956	1.35511	.40663
1.200	33.121	-.00732	7.05101	11.98394	-.02457	.61718	-.11929	5.16667	4.98498	1.35194	.40849
1.200	35.408	-.00726	8.04049	12.61965	-.02659	.81643	-.16424	5.80413	5.71260	1.29314	.41471
1.200	37.675	-.03601	9.08384	13.24977	-.02742	.33076	.02854	6.42550	6.54163	1.25055	.42935
1.199	39.936	-.03726	10.20504	13.52001	-.03215	.09133	.08111	7.05084	7.47537	1.20529	.45491
1.199	42.212	-.03981	11.26213	13.77136	-.03490	.10174	.08655	7.56917	8.44786	1.17142	.47173
1.199	44.446	-.03575	12.27143	14.01657	-.03658	.22570	.04843	7.98784	9.38087	1.10383	.47562
1.200	46.822	-.02636	13.24023	14.20935	-.04322	.29204	.00626	8.31086	10.35801	1.02717	.46969
	GRADIENT	-.00210	.41418	.34118	-.00145	.01695	.00197	.25917	.30388	-.02011	.00549

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SA-2F (8TPT-655) SRB (RPS028) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 102/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.399	39.143	.16245	5.30033	6.97154	-.01992	-5.52690	-1.36234	3.73738	3.80464	.59149	.00000
.400	41.174	.22482	5.82624	7.44698	-.02539	-5.20531	-1.37077	4.04730	4.22236	.51374	.00000
.400	43.095	.29947	6.28499	8.03694	-.02199	-7.15911	-1.46091	4.29922	4.60416	.42479	.00000
.400	45.400	.36952	6.84324	8.78414	-.01708	-9.45715	-1.63091	4.56425	5.10998	.33818	.00000
.400	47.311	.43994	7.26532	9.37205	-.02243	-10.65795	-1.87253	4.73980	5.51211	.25341	.00000
.400	49.112	.48278	7.65297	9.94378	-.01898	-11.68275	-2.05174	4.87724	5.90009	.17509	.00000
.400	51.218	.49741	8.01500	10.18257	-.02608	-11.97999	-2.17129	4.96398	6.29320	.07226	.00000
.400	53.117	.39393	7.66330	7.62905	-.01759	-10.00040	-1.05372	4.59336	6.13411	.00755	.00000
.400	55.096	.37518	7.64229	6.86813	-.02035	-9.26665	-1.38385	4.44605	6.21653	-.08910	.00000
.400	57.015	.40163	7.90551	6.71227	-.01945	-10.29782	-1.04565	4.42951	6.54973	-.14968	.00000
.399	59.423	.30109	7.69015	6.00429	-.03631	-7.10212	-1.72801	4.13904	6.48663	-.26382	.00000
.400	61.292	.30357	7.27664	5.95887	-.02963	-7.37664	-1.49335	3.78048	6.22601	-.32516	.00000
.400	63.155	.29892	6.65512	6.20485	-.02468	-7.52351	-1.17308	3.36112	5.75782	-.39876	.00000
	GRADIENT	.00284	.06848	-.09229	-.00030	-.08927	.00839	-.01510	.09667	-.04173	.00000

RUN NO. 103/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.999	39.344	.71082	6.49465	8.30890	-.00811	-8.56103	-1.63682	4.69851	4.51288	.51137	.00000
.999	41.252	.75730	6.89051	9.09492	-.01274	-9.18242	-1.57273	4.87837	4.88778	.45804	.00000
.999	43.283	.79166	7.31977	10.02266	-.01924	-9.54680	-1.65991	5.07159	5.29154	.37733	.00000
.999	45.787	.71846	7.67869	10.59073	-.02193	-8.83946	-1.19563	5.15714	5.69593	.27822	.00000
.999	47.430	.36251	7.53770	10.99098	-.02413	-4.86715	-.40318	4.93212	5.70456	.22557	.00000
.999	49.399	.04105	8.13961	11.45173	-.02912	-.88462	.45620	5.19565	6.26707	.13369	.00000
.999	52.288	-.07260	8.88208	12.51625	-.02874	.43789	.74821	5.41808	7.03819	.01897	.00000
.999	54.017	-.13219	9.24725	12.99040	-.03183	1.23243	.76376	5.47627	7.45150	-.05325	.00000
.800	55.389	-.10800	9.19849	12.41119	-.03691	.96382	.68655	5.30769	7.51337	-.10075	.00000
.999	57.494	-.08935	9.02452	11.32342	-.03533	.83025	.53166	4.98421	7.52496	-.15946	.00000
.999	59.409	-.06999	9.40733	11.09396	-.04090	.71246	.33888	4.96427	7.99350	-.20543	.00000
.999	61.477	-.07145	9.91005	11.20436	-.04511	.87688	.14883	4.96600	8.58014	-.26613	.00000
.999	63.564	-.05402	10.46976	11.58369	-.04760	.70390	.06384	4.95259	9.23004	-.32549	.00000
	GRADIENT	-.04334	.15274	.11507	-.00151	.52137	.09547	.00632	.18543	-.03584	.00000

SA-2F(8TPT-655)SRB (RPS028) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 101/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.799	39.629	.07770	6.61402	11.48962	-.02724	-.67283	-.05386	4.71491	4.67635	.59447	.00000
.800	41.732	.06320	7.29647	12.83997	-.02591	-.58301	.01136	5.08568	5.25985	.54003	.00000
.799	43.903	.14523	8.10986	14.37400	-.03162	-1.31181	-.00524	5.52414	5.95529	.46022	.00000
.800	45.858	.03544	8.78898	15.79204	-.03166	-.61029	.39983	5.83218	6.58739	.40242	.00000
.799	48.269	.05402	9.65477	17.09734	-.03741	-.57720	.12427	6.19222	7.41414	.31392	.00000
.800	50.017	.05861	10.26938	17.93561	-.03998	-.63591	.14889	6.41475	8.02302	.24011	.00000
.799	50.375	.06357	10.39956	18.08943	-.03843	-.65895	.11865	6.45545	8.15665	.22976	.00000
.799	52.008	.04842	11.01591	18.86154	-.04248	-.59540	.21860	6.65107	8.78298	.16461	.00000
.799	54.481	.02756	11.87681	19.77495	-.04682	-.46708	.30007	6.84228	9.70808	.07096	.00000
.799	56.124	-.04486	12.53207	20.10128	-.05344	.20758	.27440	6.97458	10.41192	.01294	.00000
.800	58.013	-.00736	13.15811	20.32325	-.05336	-.05022	.16137	7.00727	11.13714	-.04373	.00000
.799	60.440	.00418	13.82772	19.69234	-.05269	-.11644	.10765	6.90010	11.98342	-.09025	.00000
.800	62.204	.01709	14.10791	19.47673	-.05865	-.16159	.00547	6.65404	12.44043	-.08491	.00000
.799	64.235	.01221	14.36300	19.44956	-.05793	-.07913	-.04748	6.31711	12.89948	-.08193	.00000
	GRADIENT	-.00417	.33239	.33080	-.00144	.03735	.00066	.07617	.35075	-.03084	.00000

RUN NO. 104/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	39.717	.10753	7.95780	13.39318	-.03073	-1.09239	.11806	5.65322	5.64636	.73232	.00000
.899	41.868	.00828	8.73656	14.75884	-.03487	-.38401	.42267	6.04695	6.34309	.68771	.00000
.899	43.887	.06134	9.63361	15.79811	-.03698	-.76843	.27505	6.49911	7.13990	.64039	.00000
.900	46.248	.07076	10.70444	17.08240	-.04038	-.84339	.26144	6.99962	8.11798	.55773	.00000
.899	48.103	.01363	11.54834	18.27905	-.04713	-.11034	-.02115	7.36297	8.90902	.46887	.00000
.900	49.973	-.05735	12.41243	18.94683	-.04976	.31827	.28997	7.66289	9.77360	.41805	.00000
.898	52.053	.03442	13.17463	19.68538	-.04761	-.42266	.14414	7.82037	10.60847	.35640	.00000
.899	53.900	.04442	13.81614	20.91747	-.05208	-.56495	.21256	7.89154	11.34478	.30807	.00000
.900	56.100	.02929	14.52091	21.81547	-.05490	-.40723	.18560	7.89812	12.18750	.24203	.00000
.899	58.175	.01944	15.09017	22.67974	-.05787	-.30903	.17600	7.79095	12.92489	.19595	.00000
.901	59.117	.02025	15.34500	23.05145	-.05717	-.30297	.15694	7.72080	13.26239	.18120	.00000
	GRADIENT	-.00241	.38986	.49277	-.00139	.02582	-.00455	.11032	.40215	-.02998	.00000

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SA-2F(8TPT-655)SRB (RPS020) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FLDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 94/ 0 RN/L = 5.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.997	39.751	-.02099	9.56343	13.67046	-.04112	-.02132	.29850	6.69069	6.91127	1.03528	.00000
1.002	41.641	.02122	10.53313	14.23717	-.04531	-.28935	.12901	7.20299	7.75090	1.00635	.00000
1.001	43.661	-.04844	11.38211	15.34097	-.05189	.46459	-.02680	7.57648	8.54734	.95269	.00000
1.000	45.706	-.02545	12.23064	16.54650	-.05515	.34110	-.14888	7.89119	9.38840	.90795	.00000
1.001	47.825	.08335	13.03050	18.02824	-.04589	-.98372	.30578	8.13108	10.21635	.83325	.00000
1.001	49.985	.06957	13.80867	19.32560	-.04617	-1.19746	.52259	8.31715	11.04727	.73345	.00000
.999	52.188	.01772	14.73689	20.06550	-.05848	-.31610	.21189	8.53355	12.03151	.63453	.00000
.999	53.993	.00708	15.41319	21.09156	-.05926	-.24605	.24945	8.62411	12.78605	.54031	.00000
1.000	56.122	-.01939	15.82407	22.64830	-.05919	.06810	.15189	8.44960	13.38677	.44715	.00000
	GRADIENT	.00173	.38712	.55484	-.00095	-.02152	.00777	.10990	.40066	-.03686	.00000

RUN NO. 93/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
1.200	39.618	.01179	10.26824	12.06612	-.03906	-.20412	.11051	7.13169	7.48765	1.22027	.00000
1.199	41.259	-.00749	10.92082	12.67910	-.04129	.02428	.07442	7.43783	8.08160	1.17020	.00000
1.198	43.348	.00184	11.75296	13.41436	-.04572	-.08751	.09388	7.78260	8.87711	1.11328	.00000
1.199	45.496	.00126	12.56553	14.14317	-.04719	-.12042	.14785	8.06681	9.69014	1.03917	.00000
1.200	47.499	-.04793	13.33084	14.98221	-.05132	.49835	-.00354	8.30168	10.47412	.95590	.00000
1.198	49.719	-.00197	14.15251	15.53811	-.05168	-.08181	.14082	8.50601	11.34258	.84429	.00000
1.200	51.717	-.00822	14.78487	16.54132	-.05443	-.03392	.16389	8.54416	12.09153	.78432	.00000
1.200	53.906	-.01112	15.42818	17.56340	-.05671	.00077	.15764	8.51297	12.88666	.71268	.00000
1.200	55.966	-.02526	15.80293	18.67461	-.06093	.16360	.13646	8.32865	13.44447	.62265	.00000
1.200	57.822	-.02786	16.08929	19.45334	-.05748	.20235	.12179	8.10488	13.90957	.54769	.00000
1.200	59.938	-.02919	16.39926	19.27670	-.06072	.21735	.12256	7.77017	14.45076	.51385	.00000
1.201	61.765	-.02404	16.61964	19.08513	-.06343	.17562	.10767	7.52347	15.05125	.49223	.00000
1.200	64.099	-.01359	17.24746	18.81985	-.06622	.12057	.10696	7.10885	15.72140	.47274	.00000
	GRADIENT	-.00117	.28565	.32477	-.00104	.01138	.00132	.00123	.33897	-.03357	.00000

SA-2F(8TPT-655)SRB (RPS029) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 98/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.399	59.112	.32787	7.64659	5.78047	-.01580	-7.96603	-1.59359	4.12414	6.44324	-.23149	.00000
.400	60.917	.31057	7.35134	6.09012	-.02579	-7.52876	-1.43922	3.81400	6.26770	-.28651	.00000
.400	63.261	.29225	6.68476	6.46326	-.01970	-7.23244	-1.09639	3.33956	5.80271	-.37167	.00000
.400	65.231	.28628	6.28402	5.82428	-.01044	-7.26773	-.79644	3.00879	5.53241	-.41409	.00000
.399	67.210	.25378	6.07550	5.11954	-.01600	-6.21139	-.25316	2.76522	5.42816	-.44668	.00000
.399	68.944	.17806	6.10025	4.69454	-.01497	-4.82151	-.06365	2.64811	5.51722	-.48905	.00000
.400	71.372	.24108	6.58640	3.13384	-.00069	-7.55971	1.34226	2.58269	6.08206	-.50467	.00000
.399	73.138	.15900	7.16191	3.34019	-.01067	-5.29025	1.28689	2.59989	6.69564	-.54592	.00000
.399	75.128	-.06535	8.08143	5.64875	-.02660	.45003	1.85326	2.61512	7.66707	-.55968	.00000
.400	77.176	-.02823	8.01627	5.47621	-.03123	-.30685	1.49245	2.26847	7.70496	-.50174	.00000
.400	79.331	.01015	7.55432	5.80460	-.02919	-.83687	.76578	1.56476	7.39242	-.16905	.00000
.400	81.327	.02406	7.78915	5.47222	-.03291	-1.14782	.65766	1.21518	7.69389	-.04108	.00000
.399	83.213	.00378	7.91035	5.15037	-.03834	-.56829	.63643	.91059	7.91823	.03154	.00000
	GRADIENT	-.01648	.04873	-.02965	-.00078	.36820	.11928	-.11449	.09384	.00841	.00000

RUN NO. 100/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	59.348	-.07165	9.25542	10.67314	-.02288	.66749	.43175	4.87758	7.86805	-.18484	.00000
.600	61.304	-.08181	9.72225	11.04635	-.02817	.97559	.19031	4.87541	8.41477	-.23621	.00000
.600	63.366	-.07404	10.23276	11.28576	-.03235	.94786	.07671	4.84486	9.01775	-.28821	.00000
.600	65.282	-.03047	10.78749	11.35957	-.03378	.43413	-.03147	4.78569	9.67258	-.30280	.00000
.599	67.516	.00724	11.72429	11.84839	-.03787	-.22984	.18199	4.74860	10.72343	-.28668	.00000
.599	69.380	.04294	11.58249	11.37795	-.02910	-.97105	.53993	4.36377	10.73338	-.30634	.00000
.600	71.547	.02833	12.68139	10.59533	-.04188	-.77497	.54265	4.28777	12.14885	-.22185	.00000
.600	73.332	.00252	13.47059	10.31037	-.04804	-.30536	.37370	3.97948	12.86993	-.12081	.00000
.599	75.399	-.01647	14.41981	9.68384	-.05298	.03479	.25924	3.58837	13.96619	-.00225	.00000
.600	77.243	-.02756	15.09717	9.46333	-.05853	.20159	.23734	3.27977	14.73671	.05389	.00000
.600	79.179	-.03270	15.72098	9.65815	-.06041	.29180	.22652	2.85508	15.45986	.09805	.00000
.599	81.349	-.04063	16.25435	9.51342	-.06856	.43049	.17671	2.34139	16.08517	.10469	.00000
.599	83.334	-.04650	16.72145	9.56368	-.06819	.52252	.18896	1.83104	16.62127	.11070	.00000
	GRADIENT	.00126	.32908	-.08758	-.00195	-.01643	-.00058	-.12665	.38641	.01877	.00000

SA-2F (8TPT-655) SRB (RPS029) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELCTUN =	.000	RTORKS =	.000

RUN NO. 99/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.800	60.035	.01668	13.58286	19.76610	-.04415	-.26410	.15413	6.85300	11.72761	-.07943	.00000
.801	61.969	.02265	13.98240	19.29184	-.04670	-.22630	.02876	6.63463	12.30830	-.07207	.00000
.801	64.059	.01985	14.25238	19.21393	-.04963	-.15277	-.03657	6.28162	12.79352	-.05213	.00000
.800	66.036	.00489	14.44307	19.13934	-.05008	-.02929	-.02036	5.90972	13.17876	-.04768	.00000
.801	67.950	.00906	14.51401	18.72188	-.05032	-.10953	.03864	5.48819	13.43644	-.04243	.00000
.801	69.882	-.00241	14.64523	17.67956	-.05347	-.01284	.04756	5.06181	13.74269	-.02605	.00000
.800	70.360	-.00353	14.65729	17.42829	-.05521	-.00523	.05088	4.93524	13.80143	-.00932	.00000
.801	71.826	-.03206	15.01140	16.40007	-.05661	.22385	.08885	4.60639	14.28740	.07974	.00000
.801	73.810	-.02308	15.23353	15.37369	-.06008	.17516	.04523	4.08640	14.67617	.16769	.00000
.800	75.756	-.01802	15.32751	14.42657	-.06087	.10491	.08000	3.48502	14.92897	.29532	.00000
.801	77.771	.03190	15.37059	13.21973	-.05922	-.31970	.04163	2.92604	15.09[illegible]8	.33733	.00000
.800	79.653	.02287	15.33934	12.00155	-.06162	-.21032	.00206	2.41510	15.15197	.34558	.00000
.800	81.705	.03206	15.42628	10.75155	-.06316	-.29256	-.00309	1.89231	15.31347	.33664	.00000
.800	83.750	.01467	15.53272	9.52691	-.06348	-.13811	.00307	1.35717	15.47696	.33588	.00000
	GRADIENT	.00017	.07900	-.45319	-.00084	-.00036	-.00185	-.24076	.15801	.02293	.00000

RUN NO. 97/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.899	64.145	.00973	15.84489	23.25056	-.05207	-.19054	.13826	6.81732	14.30368	.10297	.00000
.899	66.017	-.00922	15.83335	21.99148	-.05053	-.00289	.12130	6.36909	14.49603	.07291	.00000
.899	67.965	-.01651	15.80204	20.85320	-.05250	.07045	.11279	5.85065	14.67928	.08404	.00000
.899	69.994	-.02342	16.10117	19.45906	-.05617	.12541	.12471	5.36669	15.18121	.15089	.00000
.900	71.869	-.01976	16.80197	17.65510	-.06046	.08999	.12698	5.02872	16.03316	.21021	.00000
.900	73.888	-.01917	17.20478	16.23074	-.06480	.03361	.19758	4.45758	16.62057	.32989	.00000
.900	75.768	-.01311	17.47116	15.07794	-.06636	-.00141	.16930	3.87564	17.04137	.43281	.00000
.899	77.629	-.02206	17.64442	13.96160	-.06849	.13655	.09497	3.22736	17.35407	.50408	.00000
.900	79.606	-.04641	17.81298	12.97229	-.07153	.42451	.01314	2.69071	17.61662	.53184	.00000
.900	81.627	-.04474	18.00382	11.85313	-.07337	.42400	-.00386	2.12428	17.88513	.50278	.00000
.899	83.781	-.01625	18.20690	10.60102	-.07082	.09013	.08846	1.51976	18.14907	.45512	.00000
	GRADIENT	-.00162	.14073	-.65540	-.00127	.01892	-.00492	-.27142	.21816	.02670	.00000

SA-2F(8TPT-655)SRB (RPS029) (29 OCT 73)

REFERENCE DATA

SREF =	7.0890 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 96/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.000	61.331	-.00823	16.32542	23.48977	-.05368	.02937	.06434	7.60914	14.44594	.25426	.00000
1.000	62.366	-.00499	16.53379	23.14943	-.05448	-.00160	.06555	7.45330	14.76054	.24303	.00000
.999	64.182	-.01338	16.90655	22.74434	-.05509	.05479	.09449	7.15828	15.31804	.22753	.00000
.999	66.108	-.02166	17.24816	22.13252	-.05702	.12512	.10103	6.78222	15.86033	.22264	.00000
.999	68.022	-.02126	17.68349	21.04740	-.06122	.09932	.13120	6.38194	16.49368	.25462	.00000
.998	69.993	-.02050	18.53767	19.59266	-.06888	.07508	.15514	5.98642	17.54855	.37892	.00000
1.000	71.958	-.02246	19.35687	18.18156	-.07286	.08797	.16192	5.50964	18.56322	.51060	.00000
1.000	73.906	-.01616	19.74411	17.17156	-.07588	.01763	.17964	4.94117	19.12385	.55395	.00000
1.001	75.945	-.01530	20.17477	15.95372	-.07885	.02442	.16000	4.34349	19.71000	.57328	.00000
.998	77.854	-.02846	20.63793	15.00899	-.07872	.17800	.11738	3.81544	20.28933	.53893	.00000
.999	79.764	-.02564	20.99542	14.04723	-.08340	.16101	.10633	3.24107	20.74972	.49773	.00000
.999	81.723	-.02066	21.37202	13.06192	-.08515	.18824	.10980	2.62173	21.21558	.45966	.00000
.999	83.910	-.03487	21.78644	12.24029	-.08619	.24952	.10936	1.87768	21.70976	.43613	.00000
	GRADIENT	-.00094	.25654	-.53500	-.00163	.00760	.00184	-.25309	.33987	.01434	.00000

RUN NO. 95/ 0 RN/L = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	59.894	-.01105	16.47975	18.62783	-.06020	.04919	.09213	7.77822	14.53960	.56429	.00000
1.200	61.775	-.01189	16.76371	18.79834	-.05851	.05752	.09179	7.46743	15.01775	.52294	.00000
1.199	64.082	-.00865	17.22577	18.61047	-.06169	.02102	.09486	7.07752	15.71267	.50218	.00000
1.199	65.847	-.01429	17.52116	18.18090	-.06434	.06116	.11980	6.67013	16.21109	.54683	.00000
1.197	67.779	-.01431	18.15728	17.35805	-.06650	.06269	.11782	6.32769	17.02898	.58229	.00000
1.199	69.788	-.01805	18.86911	16.40280	-.07267	.09069	.13210	5.87123	17.94572	.69044	.00000
1.199	71.907	-.01536	19.41997	15.03935	-.07586	.04646	.15489	5.39115	18.66880	.67308	.00000
1.199	73.486	-.01042	19.50929	14.24371	-.07474	-.00875	.16079	4.91517	18.89142	.65738	.00000
1.198	75.560	-.01725	19.87363	13.76542	-.07792	.07420	.14487	4.37980	19.39391	.58773	.00000
1.199	77.624	-.01755	20.06476	13.05438	-.07952	.08203	.13947	3.76012	19.71706	.55331	.00000
1.197	79.607	-.01821	20.30775	12.58668	-.07830	.09789	.12851	3.14676	20.06935	.52532	.00000
1.199	81.592	-.01818	20.54546	12.14974	-.08267	.09855	.12875	2.54175	20.39298	.46732	.00000
1.199	83.763	-.01475	20.79074	11.60520	-.08384	.05825	.13633	1.85831	20.71144	.40283	.00000
	GRADIENT	.00028	.19150	-.34544	-.00111	.00154	.00201	-.24922	.27143	-.00328	.00000

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SA-2F(8TPT-655)SRB (RFS030) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 11/ 0 RN/L = 6.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.800	80.096	-.05208	15.45984	12.08171	-.06823	.27917	.16005	2.25869	15.29935	.40632	.00000
.800	80.798	-.05328	15.50832	11.68287	-.07026	.30598	.14681	2.07403	15.37451	.41125	.00000
.800	82.728	-.04625	15.63249	10.50691	-.07219	.30525	.09333	1.58345	15.55719	.39855	.00000
.800	84.565	-.03119	15.75311	9.26618	-.07317	.28123	.00053	1.08731	15.72081	.40669	.00000
.800	86.380	-.06331	15.72679	7.91530	-.07248	.54321	.02260	.58897	15.72096	.40474	.00000
.800	88.288	-.07040	15.76914	6.77177	-.07338	.50758	.10325	.08708	15.77358	.38421	.00000
.800	90.385	-.08128	15.66991	5.48010	-.07325	.58669	.11794	-.49758	15.66692	.39229	.00000
.800	92.508	-.07041	15.68717	4.04231	-.07555	.38272	.20553	-1.06337	15.65563	.37737	.00000
.800	94.175	-.06294	15.62523	2.94882	-.07296	.38058	.15284	-1.51519	15.55620	.37864	.00000
.800	96.502	-.04805	15.57483	1.43833	-.07470	.28099	.12596	-2.06191	15.44066	.30005	.00000
.800	98.416	-.05333	15.45443	.11301	-.07752	.33892	.11951	-2.46924	15.25733	.20952	.00000
.800	100.167	-.05668	15.40730	-.91225	-.07710	.26338	.20830	-2.80937	15.14928	.09123	.00000
.799	102.502	-.02313	15.44974	-1.69100	-.07582	.03528	.14550	-3.28276	15.09708	-.06314	.00000
.800	103.517	.02710	15.38629	-1.97380	-.07600	-.40666	.12684	-3.45569	14.99390	-.14461	.00000
	GRADIENT	.00140	-.00833	-.62491	-.00028	-.01595	.00266	-.24924	-.01908	-.01978	.00000

RUN NO. 26/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.001	80.376	-.01103	21.10626	13.69274	-.07677	-.06541	.13660	2.98337	20.90166	.55307	.00000
1.001	81.247	-.01930	21.26890	13.15914	-.07780	.01697	.13145	2.69017	21.10532	.55288	.00000
1.000	83.215	-.01615	21.57188	12.28174	-.07938	-.01547	.13419	2.00525	21.48545	.54718	.00000
.999	85.205	-.01715	21.82151	11.45742	-.07867	-.00234	.13032	1.32356	21.78713	.50246	.00000
1.000	87.280	-.01446	21.96950	10.56792	-.07699	-.06041	.15715	.61585	21.96502	.42710	.00000
1.000	89.384	-.01572	21.93827	9.59408	-.07913	-.07308	.17683	-.10790	21.94070	.34366	.00000
1.000	91.145	-.02068	21.96467	8.70233	-.07950	.00152	.15299	-.69844	21.95510	.25972	.00000
1.000	93.058	-.02393	22.04692	7.84555	-.07842	.02125	.16138	-1.33594	22.00699	.15987	.00000
1.001	95.015	-.02610	21.91028	6.76828	-.08036	.02384	.17582	-1.96744	21.82183	.05237	.00000
.999	96.947	-.03079	21.67877	5.71264	-.07720	.05980	.18278	-2.56832	21.52616	-.05415	.00000
.999	99.074	-.02673	21.40029	4.54090	-.07776	.00937	.19436	-3.19835	21.16069	-.17909	.00000
1.000	101.149	-.03257	21.04916	3.79302	-.07523	.03346	.22030	-3.77561	20.70996	-.30027	.00000
1.001	103.939	-.02209	20.52617	2.63061	-.07409	-.01343	.18073	-4.48174	20.03658	-.47671	.00000
	GRADIENT	-.00067	-.01799	-.47585	.00010	.00249	.00314	-.32289	-.02904	-.04477	.00000

SA-2F(8TPT-655)SRB (RPS031) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 69/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.400	76.741	-.05549	7.89972	5.44810	.03732	1.90824	.16741	2.00825	7.64285	-.20174	.00000
.400	78.646	-.00146	7.72247	4.15222	.01439	-.96479	-.47529	1.44939	7.58558	.07241	.00000
.400	80.635	-.03462	8.05277	4.58989	.02082	-.48492	-.68112	1.03523	7.99082	.27888	.00000
.400	82.682	-.04062	8.18375	4.53355	.02333	-.57392	-.79860	.76104	8.15323	.28376	.00000
.400	84.581	-.04538	8.21886	4.51870	.02109	-.22074	-.69089	.55424	8.20281	.20852	.00000
.400	86.840	-.07152	8.33687	3.88395	.02310	.31236	-.77679	.26949	8.33469	.19042	.00000
.400	88.742	-.05965	8.37012	3.45548	.02180	.10583	-.71790	.01933	8.37171	.16441	.00000
.400	90.898	-.04475	8.28195	2.99494	.02300	-.43888	-.78282	-.23804	8.27924	.10822	.00000
.400	92.620	-.05491	8.28925	2.38414	.02245	-.24256	-.82329	-.45973	8.27689	.08095	.00000
.400	94.655	-.09667	8.33397	1.48074	.02265	.61682	-.95891	-.64488	8.30904	-.03162	.00000
.400	96.571	-.08081	8.26426	.42704	.01514	.52632	-.79903	-.82297	8.22411	-.12359	.00000
.400	98.879	-.01361	8.30807	-1.57836	.01735	-.22622	-.28411	-1.04960	8.24487	-.23561	.00000
.399	100.792	-.00542	8.31683	-2.80283	.02078	-.57326	-.34229	-1.26387	8.22566	-.29869	.00000
	GRADIENT	-.00028	.01871	-.29904	-.00029	-.01198	-.00893	-.12683	.02274	-.01377	.00000

RUN NO. 68/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.598	76.299	-.01923	14.86660	6.62533	.04614	-.08243	-.16579	3.31380	14.49414	.21344	.00000
.598	78.227	-.02155	15.96928	6.44281	.05341	.00157	-.14001	2.99589	15.68803	.26795	.00000
.600	80.261	-.03208	17.02865	6.44653	.05482	.15766	-.13268	2.60617	16.83033	.27829	.00000
.600	82.228	-.05407	17.57883	6.22645	.06059	.40302	-.15703	2.11841	17.45268	.26128	.00000
.600	84.194	-.05154	17.85670	6.19171	.05699	.38169	-.14958	1.58223	17.78789	.22548	.00000
.600	86.136	-.05213	18.21146	6.51190	.06030	.26539	-.20728	1.07001	18.18068	.15751	.00000
.600	88.182	-.05884	18.19012	5.98058	.05722	.31199	-.22746	.47502	18.18420	.10225	.00000
.599	90.254	-.06018	18.17852	5.98913	.05545	.35282	-.21677	-.17039	18.17794	.08982	.00000
.600	92.182	-.06445	17.97711	6.53660	.05987	.29043	-.27352	-.77571	17.96060	.09133	.00000
.600	94.280	-.09760	17.36776	7.38409	.05406	.54017	-.36691	-1.31106	17.31621	.01506	.00000
.599	96.231	-.11419	16.75512	7.00345	.05527	.76408	-.37089	-1.71481	16.66746	-.10442	.00000
.600	98.245	-.10973	16.19150	6.51723	.05422	.73860	-.35678	-2.10590	16.05545	-.21826	.00000
.600	100.408	-.09204	15.59209	5.62655	.05192	.54944	-.33551	-2.48943	15.39568	-.33273	.00000
	GRADIENT	-.00375	.00994	.00058	.00006	.02797	-.01081	-.25721	.01696	-.02284	.00000

SA-2F(8TPT-655)SRB (RPS031) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 67/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.800	76.446	-.06236	15.06980	14.15711	.05316	.09012	-.23072	3.08067	14.75885	.46402	.00000
.800	78.371	-.04215	15.13398	13.28988	.05202	-.06852	-.21559	2.54991	14.92638	.51130	.00000
.800	80.298	-.01934	15.28270	11.97318	.05316	-.14666	-.15292	2.05938	15.15236	.52363	.00000
.800	82.196	-.02481	15.39447	10.82863	.05204	.00016	-.10659	1.58025	15.32179	.51482	.00000
.800	84.106	-.04384	15.51316	9.74856	.05162	.27055	-.05977	1.10271	15.48176	.49278	.00000
.800	86.109	-.06143	15.59700	8.44761	.05165	.37819	-.08335	.54222	15.59615	.51729	.00000
.800	88.130	-.03581	15.60322	7.18654	.05064	.19383	-.06088	-.02966	15.61250	.53916	.00000
.800	89.943	-.05542	15.66767	6.28505	.05009	.38031	-.05605	-.52170	15.66820	.53735	.00000
.800	91.858	-.07476	15.64207	5.26639	.04899	.41590	-.12174	-1.05173	15.61618	.54498	.00000
.799	93.956	-.05741	15.61363	4.08907	.05303	.39647	-.05764	-1.60597	15.53986	.53017	.00000
.800	95.836	-.06295	15.51472	3.08948	.05382	.51128	-.02757	-2.04791	15.38624	.47282	.00000
.799	97.917	-.06528	15.39513	2.04365	.04903	.52402	-.03288	-2.49446	15.19639	.37755	.00000
.799	99.911	-.03954	15.22695	.56689	.04619	.18153	-.08509	-2.94588	14.94291	.32997	.00000
	GRADIENT	-.00085	.01154	-.57598	-.00016	.02136	.00656	-.26099	.01206	-.00429	.00000

RUN NO. 66/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.900	76.333	-.01369	17.08408	15.14959	.05972	-.00281	-.06275	3.42526	16.74901	.62919	.00000
.900	78.297	.00458	17.32659	14.30845	.05825	-.13450	-.04407	2.90358	17.09296	.62394	.00000
.900	80.185	-.03590	17.56947	13.13311	.05973	.13600	-.09457	2.37122	17.42023	.63305	.00000
.900	82.128	-.00918	17.88240	12.17373	.06112	.00473	-.03819	1.81452	17.80163	.64063	.00000
.900	84.100	.00952	18.10025	11.01657	.06198	-.04810	.01901	1.23500	18.06903	.62906	.00000
.899	85.992	-.00848	18.21450	9.94046	.06000	.11980	.01955	.67555	18.21182	.59897	.00000
.899	87.923	-.00937	18.29239	8.75561	.06173	.11974	.01574	.05511	18.30243	.60840	.00000
.899	89.902	-.02290	18.33103	7.70705	.06136	.18002	-.01474	-.56841	18.33203	.59979	.00000
.899	91.830	-.04444	18.27766	6.48513	.05914	.33243	-.03675	-1.14050	18.25054	.55696	.00000
.900	93.767	-.04615	18.19021	5.19477	.05788	.33730	-.04206	-1.69347	18.11809	.49938	.00000
.900	95.742	-.05100	18.01647	3.92032	.05813	.35501	-.05547	-2.22921	17.88317	.42885	.00000
.900	97.658	-.04848	17.81710	2.66145	.05471	.32076	-.06123	-2.72609	17.61089	.35486	.00000
.900	99.761	-.04290	17.56265	1.19528	.05442	.24657	-.07293	-3.23796	17.26361	.26429	.00000
	GRADIENT	-.00207	.02383	-.59647	-.00020	.01824	-.00043	-.29116	.02505	-.01394	.00000

SA-2F(8TPT-655)SPB (RPS031) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 71/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.000	76.194	-.00433	19.71736	15.64704	.06654	-.12990	-.08072	3.98187	19.32547	.74496	.00000
.999	78.031	.02942	20.43039	14.78090	.06925	-.39667	-.05739	3.49598	20.14330	.75747	.00000
1.001	79.976	.03157	20.95852	13.81696	.06956	-.41121	-.05588	2.85060	20.77955	.80989	.00000
1.000	81.916	-.02066	21.32545	13.10253	.06977	-.11221	-.14324	2.29595	21.21338	.71000	.00000
.999	83.911	-.02152	21.73679	12.54188	.07189	-.10807	-.14472	1.65352	21.68373	.65582	.00000
.998	85.644	-.01809	21.99997	11.92684	.07032	-.13270	-.14130	1.06015	21.98294	.61245	.00000
.998	88.028	-.02094	22.23264	10.66766	.07153	-.13852	-.15615	.22747	22.23798	.53771	.00000
1.000	89.803	-.02422	22.38651	9.73770	.07034	-.13532	-.16864	-.37927	22.38795	.45623	.00000
1.000	91.668	-.02476	22.31278	8.65255	.07445	-.08876	-.14896	-1.02266	22.29245	.37314	.00000
1.002	93.657	-.02591	22.21945	7.86645	.06726	-.09475	-.15676	-1.67107	22.15798	.25422	.00000
.999	95.699	-.02618	21.89278	6.64325	.06785	-.05602	-.14020	-2.32824	21.76918	.15503	.00000
1.002	97.718	-.02366	21.46083	5.35154	.06381	-.07693	-.13928	-2.93042	21.25987	.04859	.00000
.999	99.738	-.01365	21.09323	4.24140	.06290	-.17324	-.14174	-3.51327	20.79866	-.05533	.00000
	GRADIENT	-.00162	.05916	-.47567	-.00017	.00795	-.00332	-.32593	.06317	-.03658	.00000

RUN NO. 70/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.201	76.111	-.01720	20.43060	13.18927	.07206	-.05283	-.11159	4.16458	20.01615	.76182	.00000
1.200	78.069	-.01518	20.61703	12.69366	.07175	-.07410	-.11088	3.53412	20.32549	.74405	.00000
1.199	80.031	-.01282	20.86435	12.12709	.06859	-.12810	-.12424	2.92346	20.67034	.69895	.00000
1.196	82.000	-.01241	20.98978	11.77058	.07001	-.13835	-.12675	2.30314	20.87238	.62430	.00000
1.196	84.053	-.01352	21.09063	11.27842	.06710	-.13887	-.13218	1.62683	21.03528	.56136	.00000
1.199	86.006	-.01551	21.11605	10.69919	.06694	-.12994	-.13745	.96943	21.09975	.50187	.00000
1.198	87.954	-.01625	21.05996	10.02141	.06773	-.13147	-.14164	.32661	21.06172	.42541	.00000
1.199	89.889	-.01581	21.07870	9.16394	.06549	-.14379	-.14545	-.30576	21.07934	.34675	.00000
1.201	91.866	-.01677	21.16830	8.79056	.06740	-.15104	-.16316	-.94625	21.16871	.25641	.00000
1.201	93.855	-.01632	21.12082	8.40327	.06796	-.14751	-.14961	-1.58776	21.06173	.16810	.00000
1.201	95.921	-.01661	20.84796	7.59608	.06357	-.14313	-.14917	-2.23727	20.72775	.08728	.00000
1.200	98.014	-.01484	20.64288	6.81776	.06056	-.13524	-.13715	-2.86977	20.44243	-.00812	.00000
1.201	100.030	-.01164	20.43191	6.14690	.06324	-.13030	-.11928	-3.45158	20.13856	-.10875	.00000
	GRADIENT	-.00001	.00149	-.29402	-.00038	-.00246	-.00114	-.32178	.00619	-.03751	.00000

SA-2F (8TPT-655) SRB (RPS032) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 78/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.401	96.770	-.02100	7.86997	.78022	.04031	.38476	-.12471	-.85768	7.82341	-.07049	.00000
.401	98.751	-.01366	7.83693	-.47437	.03975	.20485	-.10730	-1.03001	7.77068	-.16424	.00000
.401	100.673	-.03565	7.75224	-1.76553	.04676	.62104	-.22175	-1.16738	7.66871	-.27306	.00000
.402	102.669	-.07359	7.78941	-2.64437	.04533	1.48604	-.32264	-1.32174	7.68667	-.39624	.00000
.401	104.654	-.09517	7.74493	-3.71470	.04098	1.86113	-.45226	-1.47916	7.61856	-.49631	.00000
.401	106.825	-.07500	7.47305	-4.67122	.03879	1.36950	-.41422	-1.57804	7.33006	-.61116	.00000
.402	108.834	-.00269	7.21162	-5.01403	.03600	.03527	-.02315	-1.61994	7.06705	-.74826	.00000
.401	110.714	.01978	7.36590	-6.17777	.03847	-.60822	-.04467	-1.76963	7.20578	-.89351	.00000
.401	112.745	.06062	7.51759	-7.29136	.03658	-.82646	.50581	-1.95059	7.33374	-1.03652	.00000
.402	114.753	.08966	7.15518	-7.21642	.03456	-.75506	1.03735	-1.91856	6.99451	-1.18632	.00000
.401	116.811	.04157	7.28306	-6.66885	.03858	.31454	.89656	-2.11633	7.09074	-1.30938	.00000
.401	118.660	-.20050	7.60059	-6.43216	.04396	4.38342	-.68592	-2.41985	7.33918	-1.39651	.00000
.402	120.820	-.30446	8.29082	-7.54739	.04982	5.61026	-1.71212	-2.95552	7.89094	-1.50477	.00000
	GRADIENT	-.00390	-.00826	-.33379	.00001	.10093	-.00426	-.07199	-.01878	-.06209	.00000

RUN NO. 79/ 0 RN/L = 5.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.604	96.452	-.06657	17.07953	6.06006	.06356	.36985	-.33643	-1.86667	16.97730	-.05285	.00000
.599	98.469	-.08050	16.19734	5.76691	.06671	.44886	-.40840	-2.19137	16.04962	-.19626	.00000
.599	100.591	-.08526	15.20475	4.69444	.06119	.43501	-.45327	-2.47305	15.00585	-.32720	.00000
.599	102.552	-.08792	14.48013	3.55716	.05246	.51683	-.42115	-2.70821	14.23171	-.44931	.00000
.599	104.515	-.09561	13.89903	2.05726	.05053	.58546	-.43996	-2.94669	13.59440	-.55460	.00000
.599	106.654	-.05881	13.14911	-.09893	.04518	.27566	-.32121	-3.13562	12.78684	-.66050	.00000
.599	108.458	-.03953	12.43601	-1.74002	.04026	.30945	-.13855	-3.20748	12.03987	-.76942	.00000
.599	110.475	-.01902	11.77318	-3.86779	.04118	.54872	.18097	-3.29235	11.33778	-.88149	.00000
.600	112.559	.01520	11.02648	-5.83419	.03342	.51351	.44479	-3.33159	10.55607	-.97302	.00000
.599	114.325	.03073	10.49339	-6.90411	.02767	.11703	.32971	-3.34674	10.00285	-1.07071	.00000
.599	116.390	.04700	9.94926	-7.38801	.02429	-.28649	.21746	-3.37463	9.43225	-1.16947	.00000
.599	118.304	.04085	9.74432	-7.84028	.02455	-.34879	.12906	-3.44603	9.21170	-1.33373	.00000
.599	120.493	.03386	9.44599	-8.18853	.02061	-.20282	.16162	-3.54800	8.87282	-1.44515	.00000
	GRADIENT	.00649	-.32665	-.69824	-.00202	-.03131	.03554	-.06319	-.34644	-.05620	.00000

SA-2F (8TFT-655) SRB (RPS032) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 77/ 0 RN/L = 6.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	96.185	-.07611	15.48853	2.41939	.05746	.45892	-.15310	-2.17118	15.34392	.50549	.00000
.799	98.190	-.08040	15.39629	1.33977	.05525	.38869	-.21804	-2.59406	15.18159	.40486	.00000
.799	100.206	-.08287	15.23789	.00074	.05487	.27975	-.29630	-3.00571	14.94174	.31071	.00000
.799	102.166	-.06584	15.14608	-1.12974	.04983	.04302	-.34424	-3.38489	14.76432	.19692	.00000
.800	104.021	-.09065	15.07888	-1.99175	.04977	.23638	-.36198	-3.69479	14.61927	.04287	.00000
.798	105.899	-.10348	14.97912	-3.05322	.05295	.54381	-.24323	-3.98824	14.43891	-.11965	.00000
.799	107.963	-.07198	14.86331	-3.92019	.05027	.63079	-.01121	-4.25938	14.24402	-.34103	.00000
.799	109.900	-.09520	14.41456	-5.75794	.04627	.75861	-.06135	-4.43926	13.72295	-.49685	.00000
.799	111.975	-.10113	13.93511	-7.06496	.04421	.74344	-.10422	-4.59995	13.17068	-.66262	.00000
.799	114.052	-.08560	13.50830	-7.62722	.04404	.63576	-.08523	-4.73497	12.67936	-.84370	.00000
.799	115.842	-.06660	13.27812	-7.88874	.04314	.48356	-.07428	-4.88681	12.38669	-1.00122	.00000
.792	120.228	-.07395	12.72224	-7.41379	.03938	.35517	-.20451	-5.17942	11.70644	-1.41838	.00000
	GRADIENT	-.00001	-.11957	-.47697	-.00072	.01138	.00721	-.12477	-.15690	-.08185	.00000

RUN NO. 76/ 0 RN/L = 5.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	96.199	-.08304	17.94177	4.24914	.06601	.52639	-.14456	-2.35650	17.79134	.42150	.00000
.900	98.101	-.08191	17.82211	3.07378	.06211	.54611	-.13934	-2.84049	17.59743	.33225	.00000
.900	100.063	-.08147	17.67952	1.83971	.05897	.50682	-.15828	-3.31066	17.36823	.22499	.00000
.899	101.980	-.07764	17.49073	.46866	.05878	.32942	-.24370	-3.77314	17.07953	.14566	.00000
.901	104.077	-.05831	17.33384	-.83836	.05545	.05311	-.30120	-4.24362	16.80638	.02838	.00000
.902	105.981	-.06633	17.12876	-1.83716	.05377	.11041	-.31008	-4.59774	16.50061	-.12289	.00000
.901	107.791	-.06182	16.59484	-3.76747	.05497	.30469	-.16372	-4.81028	15.88472	-.27315	.00000
.901	109.848	-.03169	15.63811	-5.99148	.04811	.10054	-.11827	-4.90760	14.85424	-.42730	.00000
.901	111.846	-.02748	15.24052	-6.93068	.04671	.07178	-.11222	-5.10847	14.37166	-.60620	.00000
.901	113.918	-.01960	14.88551	-7.71094	.04383	.05921	-.07524	-5.29228	13.93666	-.81263	.00000
.901	115.885	-.02262	14.46377	-8.26386	.04243	.05235	-.09709	-5.41539	13.44909	-1.00198	.00000
.900	117.995	-.01962	13.97085	-8.65673	.04271	.04640	-.08418	-5.49598	12.90059	-1.20269	.00000
.900	119.946	-.02532	13.73630	-9.10597	.03983	.08203	-.09569	-5.64020	12.60342	-1.40432	.00000
	GRADIENT	.00318	-.19670	-.60928	-.00108	-.02152	.00525	-.13281	-.23935	-.07771	.00000

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SA-2F(8TPT-655)SRB (RPS032) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 75/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.001	96.063	-.01001	21.74813	6.32206	.07363	-.07855	-.10701	-2.48428	21.60659	.18838	.00000
1.006	97.948	-.01450	21.55711	5.42314	.07283	-.06354	-.12289	-3.05317	21.33992	.07322	.00000
.999	99.915	-.01460	21.20409	4.41863	.07326	-.06762	-.12587	-3.61737	20.89328	-.03409	.00000
.997	102.077	-.02273	20.66677	3.15666	.07141	-.02356	-.14489	-4.17496	20.24125	-.15227	.00000
1.001	103.907	-.02432	20.37482	2.47960	.06738	-.06995	-.18165	-4.62778	19.84425	-.27753	.00000
1.001	106.010	-.02356	20.26570	1.95240	.06655	-.06972	-.17671	-5.14953	19.60587	-.45743	.00000
1.001	107.875	-.03196	19.78787	.46318	.06353	-.00007	-.18083	-5.52858	19.00849	-.57275	.00000
1.001	109.876	-.02622	18.66069	-1.87825	.05935	.00143	-.14743	-5.72109	17.77441	-.66262	.00000
.999	111.785	-.03008	17.47109	-3.67431	.05545	.04903	-.14005	-5.77282	16.50758	-.76598	.00000
1.001	113.874	-.02700	16.81924	-4.61163	.05334	.06099	-.11518	-5.94288	15.76270	-.94533	.00000
1.002	115.820	-.02247	16.27034	-5.52564	.05140	.05156	-.09562	-6.07897	15.13330	-1.11926	.00000
1.000	117.935	-.02090	15.60555	-6.40870	.04818	.06165	-.08117	-6.15266	14.40126	-1.31090	.00000
1.001	119.934	-.01072	15.03874	-7.29822	.04415	-.00505	-.06461	-6.21756	13.77354	-1.48490	.00000
	GRADIENT	-.00026	-.30049	-.60837	-.00131	.00581	.00216	-.15436	-.35013	-.06875	.00000

RUN NO. 74/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.198	96.259	-.00401	20.69946	7.07020	.07174	-.12863	-.10609	-2.33578	20.56740	.07962	.00000
1.200	98.370	-.00577	20.44763	6.31958	.07190	-.12905	-.11759	-2.95703	20.23269	-.01960	.00000
1.200	100.336	-.01338	20.20763	5.71137	.07029	-.08119	-.13714	-3.50617	19.90151	-.12163	.00000
1.201	102.295	-.01687	19.96304	5.15455	.06955	-.04273	-.13546	-4.02732	19.55393	-.22913	.00000
1.201	104.557	-.01523	19.80656	4.76295	.06549	-.06512	-.13820	-4.63122	19.26085	-.35864	.00000
1.199	106.183	-.01746	19.70141	4.51666	.06672	-.07304	-.15728	-5.03154	19.05408	-.47834	.00000
1.201	108.225	-.02105	19.59017	4.19315	.06673	-.03554	-.15677	-5.51545	18.80875	-.64379	.00000
1.199	110.151	-.02047	19.16301	3.09344	.06568	-.02859	-.14870	-5.88828	18.25174	-.75963	.00000
1.202	112.417	-.01672	18.53832	1.83359	.05756	-.02661	-.12345	-6.21606	17.48950	-.92330	.00000
1.200	113.961	-.01534	17.86332	.64764	.05981	-.01526	-.10784	-6.31992	16.73964	-1.02901	.00000
1.200	116.095	-.00915	17.29785	-.41605	.05751	-.03375	-.07975	-6.52727	16.06421	-1.20363	.00000
1.200	118.223	-.00454	16.53171	-1.78758	.05444	-.06141	-.06733	-6.69372	15.21798	-1.37795	.00000
1.200	120.242	-.00246	15.88828	-2.78139	.04957	-.09404	-.07422	-6.69517	14.48796	-1.51286	.00000
	GRADIENT	.00009	-.19248	-.40189	-.00088	.00259	.00220	-.18665	-.24850	-.06783	.00000

SA-2F(8TPT-655)SRB (RPS033) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 90/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.401	116.654	.26914	7.91440	-8.62634	.01777	-5.37039	1.93303	-2.38089	7.66039	-1.30865	.00000
.401	119.040	-.30227	8.25238	-8.03683	.04913	6.58898	-1.57392	-2.74642	7.91419	-1.44061	.00000
.401	121.001	-.20225	8.27697	-7.42177	.03630	4.21223	-1.20251	-2.93948	7.88999	-1.54411	.00000
.402	123.035	.03615	8.69312	-7.54334	.02918	.64003	1.45753	-3.31663	8.21275	-1.69675	.00000
.401	124.986	.09519	8.22659	-7.16445	.02660	-.06131	2.26855	-3.25947	7.76000	-1.77899	.00000
.402	127.046	-.00098	7.83214	-6.83015	.03052	-1.64018	-1.49437	-3.20782	7.39154	-1.89275	.00000
.401	128.933	.01509	7.77243	-5.84946	.03662	-2.24254	-1.64397	-3.34916	7.28616	-1.97344	.00000
.401	131.040	.07250	7.45835	-4.99958	.02838	-3.05102	-.97379	-3.33833	6.98236	-2.06658	.00000
.401	133.099	.09612	7.03904	-4.75916	.02029	-2.83507	-.20112	-3.24897	6.59997	-2.13714	.00000
.402	135.102	.10769	6.53919	-4.86434	.01714	-2.91620	.00700	-3.08195	6.17139	-2.19622	.00000
.402	137.065	.07875	6.15360	-4.98455	.01508	-2.31310	-.14997	-2.96878	5.84299	-2.25553	.00000
.401	139.049	.01577	5.65967	-5.08417	.02134	-.54828	-.10357	-2.76391	5.45024	-2.30487	.00000
.401	140.905	-.00657	5.22610	-4.97107	.02420	.10295	-.07022	-2.58435	5.10682	-2.33373	.00000
	GRADIENT	.00356	-.12725	.16734	-.00064	-.12461	-.02605	-.00262	-.12159	-.04294	.00000

RUN NO. 91/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.598	116.440	.07130	9.84179	-7.49947	.03660	-.39922	.53340	-3.32214	9.33947	-1.18389	.00000
.599	118.748	.04308	9.70123	-7.96644	.03576	-.13699	.40949	-3.46537	9.16405	-1.36926	.00000
.599	120.741	.01160	9.46947	-8.35636	.03326	.09876	.23088	-3.57521	8.89131	-1.47194	.00000
.599	122.638	.02231	9.12865	-8.31739	.03173	.02439	.29444	-3.58313	8.54559	-1.59175	.00000
.599	124.682	.05544	8.78326	-8.15331	.02948	-.11542	.57111	-3.59564	8.19295	-1.70513	.00000
.599	126.661	.07520	8.46532	-7.73439	.03043	-.24833	.68679	-3.58735	7.88274	-1.82694	.00000
.599	128.791	.06211	7.88905	-7.14661	.02588	-.32695	.45801	-3.42856	7.36575	-1.94221	.00000
.599	130.929	.03532	8.19396	-5.79317	.03052	-.60839	-.11777	-3.79410	7.55554	-2.08335	.00000
.599	132.663	.06155	7.69897	-5.34611	.02797	-1.14906	-.28539	-3.64672	7.11006	-2.13948	.00000
.599	134.930	.09764	7.18978	-5.17206	.02666	-1.50151	-.16103	-3.51149	6.65252	-2.21221	.00000
.599	136.021	.05969	6.74941	-5.10149	.02681	-1.22611	-.37117	-3.38132	6.26592	-2.26728	.00000
.599	138.072	.03310	6.12093	-5.15116	.02346	-.73366	-.25311	-3.08624	5.77161	-2.31745	.00000
.599	140.787	.01072	5.58392	-5.03439	.01983	-.32213	-.15690	-2.83104	5.36154	-2.36235	.00000
	GRADIENT	-.00006	-.18965	.15979	-.00056	-.34034	-.03742	.01482	-.16135	-.04884	.00000

SA-2F(8TPT-655)SRB (RPS033) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 92/ 0 RN/L = 6.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.800	116.045	-.06376	13.18566	-8.21930	.04875	.48197	-.09877	-4.90386	12.27948	-.98583	.00000
.800	118.442	-.06255	12.93134	-8.22920	.04637	.42175	-.13722	-5.08734	11.95088	-1.21858	.00000
.801	120.216	-.05679	12.73381	-8.06244	.04504	.35329	-.14816	-5.20810	11.70278	-1.38908	.00000
.800	122.258	-.03041	12.61083	-7.89822	.04746	.11061	-.14840	-5.47212	11.45882	-1.48849	.00000
.800	124.359	-.00636	12.19955	-7.75113	.04540	-.08724	-.12987	-5.51438	11.00808	-1.66045	.00000
.800	126.495	.00936	11.74363	-7.48064	.04314	-.18399	-.08932	-5.52708	10.51908	-1.81297	.00000
.800	128.413	.00722	11.24635	-7.19838	.04180	-.12571	-.05445	-5.48178	10.00619	-1.92184	.00000
.800	130.406	.00650	10.47519	-7.21055	.03890	-.07702	-.01658	-5.25182	9.28592	-2.01999	.00000
.801	132.424	.01091	9.63185	-7.12335	.03386	-.11037	-.01098	-4.92747	8.54507	-2.12732	.00000
.799	134.559	.00201	8.75373	-6.96312	.03306	-.09719	-.07089	-4.55433	7.80070	-2.22826	.00000
.800	136.763	.00739	8.03628	-6.90593	.02705	-.11842	-.04616	-4.26958	7.19072	-2.31388	.00000
.799	138.828	.03617	7.32976	-6.41089	.02344	-.32396	.00501	-3.95941	6.60673	-2.36653	.00000
.800	140.558	.04764	6.76735	-5.91652	.02360	-.30442	.11798	-3.70071	6.15365	-2.40119	.00000
	GRADIENT	.00415	-.27757	.08549	-.00109	-.02928	.00792	.05597	-.26512	-.05722	.00000

RUN NO. 88/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.899	116.137	-.03735	14.47657	-8.21758	.05146	.21269	-.12745	-5.48080	13.43610	-.99841	.00000
.901	118.376	-.04412	14.05541	-8.69226	.04915	.27808	-.12249	-5.61136	12.94381	-1.21444	.00000
.901	120.356	-.02530	13.82627	-9.23529	.04654	.12153	-.10289	-5.76392	12.64733	-1.41842	.00000
.900	122.301	-.01368	13.51869	-9.61024	.04480	.01788	-.09808	-5.87384	12.28024	-1.59730	.00000
.900	124.455	-.00958	13.01117	-10.06756	.04442	-.02224	-.09947	-5.97847	11.67735	-1.67692	.00000
.899	126.307	-.00095	12.47080	-9.95483	.04261	-.06856	-.06970	-5.92279	11.12336	-1.81325	.00000
.900	128.305	-.00508	12.02047	-9.60832	.03792	-.04260	-.08020	-5.91653	10.64468	-1.95531	.00000
.900	130.469	-.00246	11.36704	-9.08534	.03943	-.05527	-.06986	-5.79188	10.00042	-2.08439	.00000
.899	132.474	.00087	10.77241	-8.27772	.03745	-.09742	-.08018	-5.65214	9.43049	-2.19910	.00000
.899	134.517	.00455	10.14601	-7.31849	.03540	-.06434	-.01999	-5.46602	8.85454	-2.31055	.00000
.899	136.712	.00762	9.68068	-6.42992	.03395	-.06916	.00139	-5.36419	8.39477	-2.43269	.00000
.900	138.637	-.00240	8.78547	-5.99641	.02967	-.05686	-.07106	-4.95695	7.66479	-2.47708	.00000
.900	140.537	-.01760	8.02669	-5.61181	.02651	.00752	-.14107	-4.59868	7.04295	-2.51461	.00000
	GRADIENT	.00144	-.26325	.13989	-.00093	-.01093	.00236	.03288	-.26393	-.06197	.00000

SA-2F(8TPT-655)SRB (RPS033) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.0340 INCHES		
LREF =	5.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	5.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 87/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.999	116.179	-.02321	16.46589	-5.33727	.06267	.09429	-.11184	-6.26361	15.26881	-1.11525	.00000
.999	118.132	-.02987	15.96044	-6.02531	.05855	.14757	-.11847	-6.37159	14.69185	-1.30845	.00000
.999	120.096	-.02306	15.36682	-6.96016	.05448	.08386	-.11712	-6.42228	14.03901	-1.48344	.00000
.999	122.070	-.00863	14.83026	-7.63924	.05244	-.02531	-.09422	-6.47226	13.44556	-1.65435	.00000
.997	124.051	-.01366	14.33824	-8.37622	.05181	.02186	-.09333	-6.61318	12.83624	-1.70824	.00000
.998	126.035	-.01043	13.87307	-8.79975	.04797	.00925	-.07758	-6.65697	12.31288	-1.86021	.00000
.997	128.041	-.00824	13.37133	-9.21412	.04540	-.02696	-.09195	-6.65928	11.78748	-2.00682	.00000
1.000	130.051	-.00622	12.84185	-9.31792	.04560	-.03433	-.08180	-6.63330	11.20030	-2.12935	.00000
.999	132.071	-.00514	11.98579	-9.63683	.04572	-.03570	-.07424	-6.36524	10.40093	-2.24421	.00000
1.000	134.094	-.00262	11.21007	-9.61443	.03853	-.04528	-.06211	-6.11280	9.68612	-2.34980	.00000
1.000	136.134	-.00018	10.56242	-9.[illegible]5715	.03742	-.04773	-.04428	-5.90127	9.10257	-2.47326	.00000
1.000	138.183	-.00527	10.06842	-8.22117	.03450	-.02735	-.06819	-5.79223	8.62629	-2.56704	.00000
.998	140.407	-.00571	9.14135	-7.45453	.03157	.01433	-.03476	-5.36951	7.85095	-2.62770	.00000
	GRADIENT	.00098	-.29870	-.11173	-.00118	-.00569	.00311	.03[illegible]	-.30568	-.06212	.00000

RUN NO. 86/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
1.199	116.409	-.01564	16.73765	-1.58693	.06758	.02405	-.12778	-6.39967	15.50972	-1.16649	.00000
1.200	118.337	-.01596	16.22977	-2.45812	.06064	.04510	-.11068	-6.51669	14.92502	-1.34832	.00000
1.200	120.279	-.01678	15.72685	-3.20635	.05677	.06169	-.10280	-6.62632	14.34248	-1.50933	.00000
1.200	122.341	-.01606	15.18956	-3.99195	.05534	.04421	-.11062	-6.71459	13.72686	-1.67020	.00000
1.199	124.340	-.01404	14.66936	-4.58011	.05242	.02912	-.10472	-6.84594	13.08892	-1.73088	.00000
1.199	126.303	-.01202	14.22304	-4.79472	.05171	.01327	-.09976	-6.89699	12.58182	-1.89097	.00000
1.200	128.335	-.00962	13.68140	-5.10483	.04740	-.00872	-.08776	-6.89378	11.99068	-2.02979	.00000
1.199	130.280	-.00813	13.09810	-5.35746	.04777	-.01722	-.09087	-6.82068	11.38871	-2.15964	.00000
1.199	132.256	-.00321	12.42139	-5.64821	.04270	-.05307	-.07756	-6.66735	10.72483	-2.27696	.00000
1.200	134.302	.00099	11.75398	-5.67326	.03947	-.08238	-.06463	-6.49445	10.06565	-2.39629	.00000
1.200	136.331	.00238	11.10935	-5.36609	.03850	-.08459	-.05366	-6.30393	9.48525	-2.50836	.00000
1.200	138.380	-.00301	10.42721	-4.87469	.03860	-.03788	-.06216	-6.05396	8.88591	-2.62358	.00000
1.200	140.581	.00164	9.54623	-4.68053	.03461	-.05191	-.03111	-5.65848	8.14969	-2.70282	.00000
	GRADIENT	.00068	-.29195	-.12766	-.00124	-.00555	.00335	.02535	-.30295	-.06329	.00000

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SA-2F(STPT-655)SRB (RPS034) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNS =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 156/ 0 RN/L = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.400	136.248	-.02685	7.04341	-2.93852	.01762	-.34069	-.25152	-3.50933	6.51947	-2.28239	.40530
.400	138.307	-.00964	6.49513	-3.10539	.01343	-.25009	-.11578	-3.29140	6.06998	-2.34335	.35532
.400	140.359	-.00349	5.99763	-3.11179	.01399	.10322	-.01490	-3.09940	5.65993	-2.38109	.31111
.400	142.409	-.00198	5.40270	-3.04741	.01990	.59030	.08948	-2.80312	5.21550	-2.42274	.26729
.400	144.473	-.00471	4.75810	-3.07368	.01297	.08771	-.01267	-2.45419	4.75107	-2.44054	.21525
.399	146.538	.00649	4.22589	-3.07465	.00751	-.09735	.02228	-2.17616	4.37156	-2.44705	.15727
.400	148.594	.01273	3.67023	-3.00168	.00216	.07662	.09887	-1.85844	3.99934	-2.44499	.10540
.400	150.630	.01530	3.21741	-3.00962	.00413	.11911	.12442	-1.62482	3.67304	-2.40406	.06140
.400	152.660	.00972	2.91376	-3.11356	.00624	-.01419	.06052	-1.53359	3.37809	-2.29639	.02095
.400	154.697	.00809	2.61436	-3.26534	.00431	-.09099	.03396	-1.43854	3.07401	-2.16425	.00263
.400	156.723	-.00263	2.35372	-3.34592	.00913	-.02362	-.02213	-1.36137	2.79159	-2.02640	-.01767
.399	158.748	-.00177	2.04382	-3.29070	.01850	-.10418	-.03327	-1.22487	2.48918	-1.87593	-.03505
.399	160.948	-.00570	1.70217	-3.07050	.00664	-.05253	-.04879	-1.04483	2.18902	-1.72804	-.05128
	GRADIENT	.00058	-.21959	-.00033	-.00033	-.00020	.00452	.10334	-.17480	.02193	-.01947

RUN NO. 158/ 0 RN/L = 5.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.601	137.386	-.06612	7.16332	-3.40777	.01581	-.26869	-.27280	-3.70387	6.55418	-2.31575	.30776
.600	139.565	-.01858	6.54404	-3.42059	.01609	.01443	-.05781	-3.44172	6.05070	-2.37319	.26628
.600	141.624	-.01990	5.94172	-3.20204	.01126	.13851	-.02304	-3.16917	5.58243	-2.42963	.23386
.601	143.651	.00007	5.34562	-3.14017	.01028	-.02369	-.00468	-2.88015	5.14693	-2.46894	.20077
.600	146.020	.00131	4.64817	-3.16597	.01084	.12478	.03006	-2.46331	4.66184	-2.48900	.14218
.600	148.040	.02983	4.04352	-3.11996	.00799	.08649	.11379	-2.11334	4.25171	-2.48861	.09808
.600	150.229	.00873	3.47605	-3.00404	.00594	.10988	.05080	-1.80402	3.84688	-2.44338	.05246
.600	152.325	-.01421	3.04082	-3.01036	.00211	-.11708	-.06998	-1.61248	3.47250	-2.32633	.02319
.600	154.353	-.01439	2.72601	-3.12061	.00540	-.01052	-.04851	-1.51399	3.14948	-2.18398	-.00039
.600	156.415	.00083	2.40886	-3.16233	-.00131	-.04255	-.00612	-1.39292	2.82994	-2.03621	-.01936
.600	158.546	.00137	2.07860	-3.09172	.00302	-.04181	-.00421	-1.23511	2.54017	-1.91243	-.03682
.600	160.722	-.00411	1.72801	-2.95711	.00229	-.02350	-.01831	-1.03773	2.26706	-1.79735	-.05290
	GRADIENT	.00140	-.23748	.01457	-.00067	.00057	.00475	.11812	-.18569	.02403	-.01638

SA-2F(8TPT-655)SRB (RPS034) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 157/ 0 RN/L = 6.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.800	136.036	.03197	8.88634	-5.72538	.02309	.18240	.10870	-4.80769	7.81597	-2.28829	.24957
.799	138.386	.02045	7.91600	-5.63437	.02022	.01971	.04905	-4.35613	7.01572	-2.35229	.19031
.800	140.592	.02782	7.17739	-5.26572	.01928	-.21581	.01595	-4.02391	6.40849	-2.39700	.16815
.800	142.652	.04058	6.37411	-4.64120	.01167	.10868	.11057	-3.60221	5.80061	-2.44821	.14219
.800	145.070	.07003	5.60482	-3.92439	.01656	.34681	.22290	-3.16823	5.25230	-2.49206	.12328
.801	147.352	.09322	4.67420	-3.59423	.01254	.37285	.27767	-2.58964	4.62252	-2.49515	.08237
.800	149.664	-.09629	3.88793	-3.14918	.01085	.03867	-.19918	-2.10952	4.09297	-2.46706	.04634
.801	151.910	-.11310	3.34797	-2.83497	.00977	-.12918	-.26960	-1.83570	3.67097	-2.37422	.02933
.800	153.951	-.02908	2.92532	-2.77074	.00544	-.07895	-.07901	-1.62659	3.33373	-2.28080	.01219
.800	156.106	-.00357	2.50119	-2.77266	.00454	.01710	-.00418	-1.39723	3.02118	-2.19632	-.00151
.800	158.233	-.00056	2.12924	-2.66250	.00540	.00017	-.00119	-1.19749	2.74285	-2.10323	-.00851
.800	160.495	-.01378	1.80492	-2.42323	.00238	-.01231	-.03265	-1.03158	2.49350	-2.00599	-.00691
	GRADIENT	-.00320	-.29599	.14792	-.00082	-.00535	-.00807	.16213	-.21834	.01239	-.01064

RUN NO. 155/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.800	133.357	-.03447	11.10666	-6.76192	.02610	.10177	-.10416	-6.00816	9.60295	-2.22634	.38501
.900	135.652	-.08161	10.49009	-6.21343	.02484	.11401	-.16207	-5.85040	9.02185	-2.36200	.31821
.899	137.935	-.06392	9.44540	-5.35820	.02330	.13690	-.11588	-5.38690	8.12904	-2.42575	.25419
.899	140.253	-.00724	8. 446	-5.56390	.02431	.08885	.00220	-4.91098	7.31714	-2.48605	.21900
.898	142.558	.07065	7.50707	-4.96129	.01976	-.06865	.14305	-4.41178	6.58639	-2.54721	.20067
.900	144.899	.12380	6.44695	-4.67985	.01842	-.09182	.25470	-3.78315	5.82904	-2.59360	.17704
.899	147.190	.08818	5.32816	-4.36123	.01409	-.09535	.17491	-3.06474	5.07947	-2.60850	.14640
.898	149.545	.04269	4.36110	-3.55775	.01260	.05537	.10549	-2.44340	4.44861	-2.59637	.13923
.900	151.733	.02882	3.73134	-2.95087	.01013	.04195	.07210	-2.10044	3.97265	-2.50416	.13063
.899	153.941	.04594	3.17960	-2.66730	.00638	.07621	.11719	-1.78850	3.58049	-2.43081	.13134
.900	156.071	.03515	2.71725	-2.38580	.00557	.08609	.09560	-1.51940	3.27521	-2.37741	.12085
.900	158.195	.00496	2.32703	-2.05388	.00712	.06290	.02405	-1.29933	3.01696	-2.31847	.11649
.899	160.341	-.01759	2.00746	-1.70769	.00346	.05016	-.02734	-1.13676	2.78502	-2.26024	.12263
	GRADIENT	.00262	-.38026	.19184	-.00091	-.00101	.00575	.20175	-.26377	.00119	-.00686

SA-2F(8TPT-655)SRB (RPS034) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 154/ 0 RN/L = 4.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.001	133.075	-.01535	12.24424	-8.78175	.02793	.08130	-.02037	-6.70869	10.48998	-2.26383	.32327
.999	135.428	-.01710	11.37672	-8.46586	.02543	.08806	-.02280	-6.40729	9.70693	-2.41832	.30247
1.000	137.604	-.01854	10.90280	-7.47419	.02614	.07459	-.02860	-6.32413	9.24348	-2.56234	.30953
.999	139.901	-.04989	9.89001	-7.12085	.02758	.08182	-.10064	-5.85859	8.39697	-2.64952	.29653
1.000	142.225	-.09296	8.77773	-6.86860	.01859	.12178	-.19230	-5.27334	7.52504	-2.71770	.28658
.999	144.549	-.02946	7.64233	-6.60124	.01722	.03883	-.06060	-4.63076	6.67248	-2.74967	.26357
1.000	146.782	-.03601	7.02719	-5.74774	.02221	.10195	-.06244	-4.31218	6.20569	-2.82928	.26903
1.000	149.088	-.00493	5.96035	-5.53993	.01587	.29639	.04992	-3.64945	5.50745	-2.85040	.24227
.999	151.368	-.05740	4.85225	-5.39634	.01246	.01093	-.13085	-2.94890	4.72458	-2.73374	.21565
.999	153.629	-.04289	4.05129	-5.01421	.00989	.11313	-.07626	-2.44999	4.17898	-2.65583	.19311
1.000	155.841	.01340	3.37576	-4.35965	.00989	.07617	.04698	-2.01622	3.75335	-2.59943	.17978
1.000	158.055	.01890	2.82400	-3.64352	.00666	.05814	.05626	-1.66762	3.41760	-2.54676	.17221
1.000	160.382	-.01686	2.30387	-2.90794	.00685	-.01260	-.04232	-1.33563	3.11474	-2.48549	.15991
	GRADIENT	.00100	-.38559	.19833	-.00085	-.00138	.00209	.21509	-.28297	-.00554	-.00634

RUN NO. 153/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	133.593	.00146	12.77213	-2.82632	.03340	.03392	.01080	-7.02724	10.94452	-2.45709	.35226
1.199	135.800	-.00311	11.87651	-3.18524	.03334	.05034	.00250	-6.72158	10.12346	-2.57149	.32664
1.200	138.016	-.01060	10.98885	-3.53099	.02784	.08434	-.00934	-6.36872	9.35050	-2.69028	.30556
1.199	140.237	-.01872	10.07561	-3.90747	.02784	.09904	-.02645	-5.97637	8.57017	-2.76530	.28519
1.200	142.462	-.03623	9.17095	-4.16135	.02457	.15863	-.05748	-5.55821	7.81629	-2.81301	.25734
1.199	144.661	-.04253	8.29755	-4.22023	.02298	.12576	-.07952	-5.10908	7.13999	-2.86928	.23962
1.199	146.889	-.04598	7.39268	-4.26363	.01807	.07771	-.09770	-4.59798	6.48286	-2.91842	.22870
1.199	149.091	-.03138	6.72387	-3.71382	.01815	.06874	-.06331	-4.25390	5.98448	-2.94946	.24424
1.199	151.335	-.03671	5.63780	-4.25670	.01615	.14549	-.06060	-3.56616	5.22994	-2.87836	.22550
1.200	153.571	-.03177	4.68506	-4.53731	.01243	.01634	-.07525	-2.94295	4.60516	-2.81401	.19963
1.199	155.780	-.01974	3.86091	-4.37211	.00924	-.10527	-.07077	-2.38457	4.11033	-2.77026	.19391
1.199	157.987	-.00516	3.14374	-3.96971	.00768	-.08760	-.03101	-1.89876	3.69087	-2.71011	.19212
1.199	160.346	-.00369	2.49893	-3.37161	.00712	-.09900	-.02977	-1.45755	3.34865	-2.66332	.18217
	GRADIENT	-.00026	-.39193	-.02985	-.00106	-.00638	-.00195	.21602	-.28884	-.00641	-.00607

SA-2F(8TPT-655)SRB (RPS035) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 145/ 0 RN/L = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.401	156.717	-.00615	2.40951	-3.35646	.00583	.05852	-.02891	-1.42305	2.78886	-1.99926	-.01322
.400	159.075	-.00034	2.03212	-3.28162	.01055	.00474	-.00127	-1.23936	2.44856	-1.84445	-.03328
.400	160.981	-.00322	1.69473	-3.12577	.00230	.02619	-.01582	-1.04089	2.18075	-1.72250	-.04845
.400	162.886	.00381	1.36307	-2.97703	.00335	-.02631	.01951	-.82287	1.95948	-1.63056	-.06240
.401	164.751	.00765	1.05952	-2.66515	.00126	-.09000	.03126	-.61409	1.77577	-1.55173	-.07364
.400	166.892	.00563	.74040	-2.17758	-.00283	-.06204	.02380	-.38554	1.60904	-1.47968	-.08308
.400	168.838	.00641	.53229	-1.88436	-.00377	-.07993	.02515	-.26001	1.43198	-1.35456	-.09149
.400	170.075	.00119	.39423	-1.72949	.00436	-.06864	-.00644	-.16827	1.32556	-1.27672	-.09770
.400	171.044	.00145	.32531	-1.59725	.00021	-.07459	-.00601	-.13094	1.25885	-1.22312	-.10251
.401	173.081	.00287	.21135	-1.33583	-.00398	-.04751	.00880	-.07804	1.11126	-1.09377	-.11329
.400	174.840	-.00025	.07550	-1.07233	-.00344	.00433	-.00076	.01481	1.00345	-1.00072	-.11492
.400	176.843	.00041	.01095	-.74062	-.00352	.01731	.00626	.03923	.91012	-.91090	-.11635
.400	179.232	-.00146	-.07323	-.21530	-.00313	.03271	-.00265	.08367	.77886	-.77991	-.11618
.400	181.174	-.00168	-.12599	.08953	-.00301	.03805	-.00325	.11017	.77327	-.77085	-.11719
	GRADIENT	.00002	-.10478	.14827	-.00046	.00035	.00024	.06535	-.08189	.05169	-.00427

RUN NO. 146/ 0 RN/L = 5.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.601	156.394	-.01076	2.47292	-3.16257	.00825	.10391	-.01405	-1.45232	2.85212	-2.03188	-.01641
.600	158.523	-.01046	2.13191	-3.10017	.00519	.12349	-.00877	-1.28142	2.56598	-1.91865	-.03332
.600	160.947	.00405	1.72173	-2.97391	.00553	.00478	.02036	-1.04125	2.25931	-1.79564	-.05205
.600	162.679	.00219	1.43859	-2.82665	.00633	.00258	.00764	-.86102	2.07107	-1.72080	-.06349
.601	164.834	.01023	1.07552	-2.46453	.00407	-.06337	.01987	-.60478	1.87993	-1.65625	-.07373
.600	166.939	.01041	.79333	-2.01860	.00328	-.07626	.01772	-.41204	1.73435	-1.59636	-.08227
.600	168.621	.01000	.59428	-1.69519	.00086	-.08300	.01492	-.27942	1.62367	-1.53663	-.09001
.601	170.083	.00653	.43611	-1.43147	-.00116	-.08259	.00386	-.17582	1.52662	-1.47353	-.09635
.600	171.556	-.00046	.31933	-1.19673	.00314	-.05374	-.01261	-.10968	1.43579	-1.40412	-.09988
.601	173.088	.00151	.19981	-.98737	.00080	-.04620	-.00472	-.03987	1.33137	-1.31690	-.10370
.600	175.160	-.00275	.10098	-.69307	-.00064	-.00611	-.01014	.00123	1.21642	-1.21222	-.10861
.600	177.154	.00257	.02872	-.23447	-.00097	-.02824	.00250	.03741	1.33096	-1.33118	-.11254
.600	179.110	.00174	-.02095	-.09697	-.00085	-.01659	.00224	.04209	1.36090	-1.36139	-.11431
.600	181.173	-.00113	-.07163	-.00914	-.00069	-.00938	-.00565	.04386	1.35670	-1.35552	-.11519
	GRADIENT	.00019	-.10475	.14684	-.00037	-.00440	-.00026	.06428	-.06096	.02979	-.00390

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F(8TPT-655)SRB (RPS035) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 144/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.800	156.139	-.00901	2.53922	-2.74191	.00670	.10354	.00146	-1.43649	3.02953	-2.18950	.00081
.801	158.245	-.01269	2.19033	-2.65244	.00690	.10210	-.00673	-1.25160	2.77321	-2.11179	-.00460
.801	160.553	-.00632	1.83123	-2.42520	.00376	.06373	-.00059	-1.05678	2.50724	-2.01237	-.00435
.800	162.558	.00054	1.55816	-2.17634	.00343	.01907	.00512	-.90692	2.31185	-1.93373	.00159
.801	164.406	.00850	1.34680	-1.92196	.00093	-.00440	.01744	-.79632	2.15675	-1.86328	.00533
.801	167.625	.00939	.92808	-1.33249	-.00172	-.03576	.01278	-.52965	1.91654	-1.75850	-.00138
.801	169.160	.00780	.70741	-.85936	-.00081	-.04969	.00647	-.35882	1.88753	-1.78637	-.01422
.800	170.941	.00557	.53496	-.52900	-.00103	-.03872	.00397	-.26211	1.75372	-1.69058	-.02407
.800	172.809	.00546	.33792	-.20972	-.00153	-.03497	.00453	-.13670	1.61608	-1.58625	-.04259
.800	174.768	.00065	.20378	-.05120	-.00029	-.01231	-.00115	-.06912	1.47983	-1.46736	-.06976
.800	176.707	.00308	.10998	-.02038	-.00212	-.01100	.00438	-.03143	1.36836	-1.36430	-.09509
.800	178.813	.00456	.01032	.09829	-.00278	-.04365	.00087	.01732	1.33466	-1.33473	-.10978
.800	181.186	.00612	-.05303	-.14484	-.00191	-.05277	.00249	.02124	1.53635	-1.53558	-.11264
	GRADIENT	.00056	-.10668	.13237	-.00038	-.00578	.00004	.06241	-.06547	.03307	-.00501

RUN NO. 143/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.899	156.094	.01545	2.76008	-2.34780	.00800	.11267	.05842	-1.56303	3.28486	-2.36966	.12008
.900	157.180	.00659	2.55466	-2.20576	.00907	.10172	.03593	-1.44526	3.15213	-2.34487	.11691
.901	160.201	-.00399	2.05472	-1.71880	.00802	.07918	.00749	-1.16929	2.81812	-2.25547	.12856
.901	162.531	-.00132	1.75515	-1.47504	.00539	.05067	.00756	-1.02193	2.59956	-2.17290	.12895
.900	164.585	.00623	1.51119	-1.24339	.00263	.02017	.01793	-.90629	2.39831	-2.07113	.12614
.900	166.573	.00632	1.20109	-.75837	.00191	.00474	.01490	-.67390	2.34970	-2.12900	.12059
.900	168.954	.00594	.88306	-.26573	.00210	-.03009	.00686	-.48113	2.14442	-2.01252	.10726
.900	169.689	.00637	.79405	-.11016	.00202	-.01090	.01177	-.42849	2.08106	-1.97076	.10170
.899	170.686	.00427	.66985	.07281	.00299	-.02277	.00470	-.35091	1.99931	-1.91617	.09253
.899	173.072	-.00218	.43127	.36814	.00132	-.01542	-.00800	-.21598	1.79796	-1.75878	.06347
.900	175.084	.00168	.29044	.40363	.00029	-.03674	-.00389	-.14993	1.64610	-1.62720	.01900
.900	177.207	.00098	.16076	.35489	.00085	-.04949	-.00808	-.08716	1.51274	-1.50669	-.03152
.899	179.171	.00623	.03532	.32254	-.00019	-.07221	-.00106	-.01421	1.45815	-1.45779	-.05956
.900	181.154	.00649	-.06371	-.37272	-.00265	-.08948	-.00398	.03418	1.46622	-1.46523	-.05914
	GRADIENT	-.00012	-.11471	.11098	-.00041	-.00767	-.00186	.06589	-.07521	.03947	-.00784

SA-2F(8TPT-655)SRB (RPS035) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 142/ 0 RN/L = 4.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.999	155.890	.01749	3.41300	-4.26889	.01465	.03755	.04966	-2.04493	3.78579	-2.62019	.20186
.998	158.184	.03093	2.84512	-3.57125	.01293	.09324	.09270	-1.68749	3.44022	-2.56671	.19317
.999	160.259	.00041	2.36413	-2.96167	.01309	.04314	.00990	-1.37810	3.15907	-2.50794	.18071
.999	162.381	-.00141	1.95131	-2.43962	.01065	.02376	.00162	-1.10751	2.95929	-2.48523	.16588
.999	164.618	.00438	1.59998	-1.89401	.00946	.01036	.01235	-.88257	2.82379	-2.48854	.15428
.999	166.796	.01084	1.33866	-1.42870	.00430	-.00042	.02511	-.75297	2.65123	-2.40915	.14105
.998	169.419	.01194	1.04086	-.71693	.00344	-.03018	.02147	-.60151	2.44825	-2.29617	.13420
.998	169.889	.01041	.98777	-.61531	.00197	-.03781	.01634	-.57294	2.41361	-2.27554	.13235
.998	170.866	.00488	.86157	-.39306	.00478	-.02968	.00519	-.49711	2.33569	-2.22716	.12636
1.000	173.066	-.00449	.61586	.00720	.00353	-.00567	-.01161	-.35443	2.18693	-2.12814	.10713
1.000	174.628	-.00070	.42984	.21346	-.00009	-.01507	-.00476	-.24461	2.06586	-2.03540	.08192
1.000	177.195	.00006	.23663	.29943	.00031	-.03021	-.00611	-.14369	1.90249	-1.89318	.03734
1.000	179.142	.00010	.08718	.24511	.00063	-.07242	-.01477	-.05975	1.83155	-1.83045	.00716
.999	181.138	.00392	-.08837	-.26517	.00072	-.06678	-.00456	.05191	1.83705	-1.83566	.00530
	GRADIENT	-.00067	-.13221	.18201	-.00063	-.00509	-.00264	.07769	-.07623	.03407	-.00790

RUN NO. 141/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.198	155.819	-.03025	3.85408	-4.65688	.01438	.15215	-.04573	-2.39482	4.07551	-2.73698	.16983
1.199	158.051	-.01227	3.15406	-4.18081	.01029	.05459	-.01972	-1.92298	3.66653	-2.68202	.16202
1.199	159.800	.00215	2.66803	-3.71094	.00846	.10058	.02622	-1.58945	3.40673	-2.64835	.16233
1.199	162.367	.00567	1.99803	-3.01554	.01072	.08048	.03079	-1.10002	3.13519	-2.65468	.15950
1.199	164.660	.00363	1.53460	-2.54002	.00758	.01451	.01202	-.78538	2.93793	-2.62550	.15135
1.200	166.805	.00680	1.19454	-2.19013	.00455	-.03418	.00974	-.57840	2.76618	-2.56113	.13747
1.199	169.017	.00737	.91404	-1.81140	.00388	-.02227	.01357	-.42307	2.61775	-2.48920	.11567
1.199	169.890	.01188	.81944	-1.65934	.00632	-.01768	.02571	-.37569	2.56114	-2.45542	.10586
1.200	170.341	.00763	.76228	-1.53916	.00205	-.02247	.01418	-.34285	2.52873	-2.43536	.09998
1.200	172.955	-.00218	.49385	-1.07576	.00243	.03139	.00111	-.20597	2.35978	-2.31669	.06632
1.200	174.924	-.00309	.33451	-.73421	.00067	.03042	-.00135	-.13476	2.26375	-2.24294	.02993
1.199	177.068	-.00474	.18786	-.43294	.00328	.02432	-.00673	-.07653	2.17860	-2.17184	.02651
1.199	179.103	-.00786	.05751	-.22576	.00178	.03433	-.01252	-.02398	2.14138	-2.14074	.03053
1.199	181.177	-.00732	-.07883	.12536	.00022	.04362	-.00936	.03456	2.15563	-2.15447	.03886
	GRADIENT	.00028	-.14804	.18778	-.00050	-.00317	.00007	.09036	-.07345	.02611	-.00669

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F (8TPT-655) SRB (RPS036) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.6340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 73/ 0 RN/L = 5.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.001	95.541	-.03543	21.85829	6.63867	.07002	.10690	-.10755	-2.31840	21.73600	.20890	.00000
1.001	97.518	-.03016	21.56238	5.43573	.06727	.08854	-.09160	-2.92235	21.36367	.10213	.00000
1.002	99.638	-.02825	21.18769	4.41846	.06622	.04714	-.10165	-3.52669	20.89213	-.02077	.00000
.999	101.472	-.01806	20.71546	3.43648	.06503	-.06241	-.10850	-4.00029	20.32592	-.12217	.00000
1.003	103.616	-.01038	20.44537	2.54672	.05982	-.22653	-.15210	-4.55308	19.93374	-.26773	.00000
	GRADIENT	.00309	-.18238	-.50620	-.00113	-.04068	-.00531	-.27594	-.23061	-.05860	.00000

RUN NO. 72/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	95.805	-.02162	20.94161	7.30897	.06402	.01487	-.10206	-2.19811	20.82608	.08034	.00000
1.200	97.724	-.02238	20.70483	6.63283	.06279	-.00321	-.11354	-2.76343	20.51960	-.01936	.00000
1.200	99.824	-.01645	20.38069	5.83242	.06160	-.01296	-.08791	-3.35665	20.10275	-.12240	.00000
1.200	101.706	-.01262	20.09026	5.16203	.05806	-.03817	-.08042	-3.86391	19.71638	-.21664	.00000
1.201	103.301	-.02026	19.86624	4.68569	.05959	-.05571	-.12603	-4.33534	19.38993	-.31130	.00000
1.199	105.692	-.01854	19.64500	4.30920	.05834	-.10357	-.13991	-4.88708	19.03256	-.44281	.00000
1.199	107.768	-.00614	19.56270	4.04915	.05895	-.14805	-.10005	-5.39592	18.81347	-.60267	.00000
1.199	109.828	-.00852	19.04628	2.74464	.05662	-.10770	-.09255	-5.77598	18.16393	-.72777	.00000
1.199	111.747	-.01315	18.53544	1.60667	.05045	-.09359	-.10860	-6.07367	17.53293	-.85467	.00000
1.198	113.918	-.01061	17.54930	-.21847	.05275	-.08093	-.09025	-6.20351	16.44655	-.99722	.00000
1.199	115.836	-.00768	17.05053	-1.08408	.05009	-.06272	-.06741	-6.38864	15.85075	-1.15764	.00000
1.200	117.971	-.00827	16.43093	-2.20268	.04740	-.06202	-.07012	-6.52782	15.13752	-1.33471	.00000
	GRADIENT	.00063	-.19563	-.41716	-.00070	-.00402	.00132	-.20088	-.25175	-.06339	.00000

SA-2F (8TPT-655) SRB (RPS037) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 89/ 0 RN/L = 6.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.800	116.074	-.06556	13.21510	-8.22278	.04658	.50549	-.09213	-4.92353	12.30318	-.98510	.00000
.800	118.312	-.05928	12.98171	-8.21611	.04361	.40927	-.12179	-5.09171	12.00262	-1.20979	.00000
.800	120.462	-.05613	12.73532	-7.93811	.04510	.34714	-.14806	-5.22710	11.70043	-1.42622	.00000
	GRADIENT	.00215	-.10930	.06445	-.00034	-.03613	-.01275	-.06922	-.13734	-.10053	.00000

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS038) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 137/ 0 RN/L = 5.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.599	-1.246	-.00565	-.13791	-.03279	.00715	.07365	.00362	-.11983	.83300	.83020	.25222
.599	1.011	-.00359	.04944	.05782	.00881	.04040	.00362	.03473	.83360	.83286	.25489
.599	3.002	-.00281	.20099	.15880	.00291	.01104	.00745	.15625	.85835	.84899	.25759
.599	5.045	-.00037	.35821	.28548	.00273	-.01069	.00373	.27975	.90456	.87646	.26619
.600	7.094	.01377	.52977	.48384	.00356	-.05655	-.03551	.41376	.96500	.90651	.27883
.600	9.136	.02914	.71977	.68960	.00198	-.04591	-.09163	.56357	1.02869	.92615	.29325
.599	10.137	.03712	.81327	.79929	.00188	-.00785	-.12831	.63613	1.06287	.93431	.30084
.599	11.141	.04376	.91212	.93426	.00327	.06274	-.16766	.71294	1.10041	.94193	.30739
.599	13.210	.05612	1.11249	1.24551	.00375	.24442	-.25196	.86839	1.16875	.93939	.32008
.599	15.245	.06868	1.33720	1.62385	.00357	.49496	-.35318	1.04131	1.26464	.94632	.33310
.599	17.308	.07737	1.57743	2.08686	-.00067	.75061	-.44240	1.22765	1.36257	.93564	.34432
.599	19.374	.08264	1.83488	2.57996	.00083	.97686	-.51355	1.42577	1.47663	.92003	.34993
.599	21.439	.08786	2.11829	3.13896	.00184	1.05362	-.55139	1.64590	1.60401	.89144	.35530
.599	23.560	.07569	2.38308	3.71120	.00336	.76659	-.44564	1.84402	1.73320	.85166	.35946
	GRADIENT	.00067	.07985	.04499	-.00096	-.01474	.00088	.06507	.00584	.00433	.00126

RUN NO. 136/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	-1.240	.00228	-.13998	-.07128	.00623	.03289	-.01296	-.11659	1.06168	1.07890	.25850
.899	.961	.00605	.05269	-.03721	.00514	-.04756	-.00398	.03463	1.07717	1.07644	.25984
.900	3.003	.00673	.24187	.01149	.00294	-.02856	-.00981	.18368	1.11559	1.10444	.26402
.900	5.075	.00243	.43100	.07556	.00167	.00619	-.00723	.32815	1.17713	1.14349	.27605
.900	7.100	.01701	.62246	.16410	.00335	-.04130	-.03147	.47064	1.25747	1.18966	.29137
.899	9.182	.04192	.82973	.30199	.00157	-.08334	-.08171	.62488	1.33396	1.21716	.30864
.899	10.239	.05797	.94825	.40571	.00190	-.08223	-.12038	.71469	1.37798	1.22900	.31914
.899	11.259	.06886	1.04399	.49990	.00303	-.04370	-.15531	.78326	1.41254	1.23242	.32527
.900	13.324	.08345	1.29935	.80006	-.00043	.03643	-.20840	.97645	1.51515	1.24932	.33946
.899	15.407	.07946	1.57263	1.15381	-.00207	.11458	-.21713	1.18885	1.60538	1.23184	.35020
.899	17.580	.02916	1.90667	1.59231	-.00221	.20646	-.11707	1.45476	1.72117	1.20139	.36029
.899	19.721	-.03026	2.27558	2.15898	-.00280	.29637	.00689	1.74583	1.87334	1.17434	.37101
.900	21.797	-.10955	2.65140	2.75809	-.00190	.39881	.17832	2.03698	2.04693	1.14423	.38286
.900	24.008	-.27334	3.12492	3.54831	-.00204	.83871	.48641	2.40503	2.28073	1.10488	.40030
	GRADIENT	.00106	.08996	.01946	-.00077	-.01477	.00079	.07074	.00786	.00593	.00129

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS038) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 135/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	-1.256	-.00659	-.10668	-.02982	.00182	.00790	.01626	-.07173	1.59525	1.59329	.30466
1.201	.958	-.00568	.11832	-.16551	.00518	.01323	.01246	.09195	1.57860	1.57684	.29066
1.201	3.002	-.00577	.28390	-.04510	.00419	.05483	.00325	.19945	1.61752	1.60485	.29356
1.200	5.085	.00223	.42105	.32137	.00304	.03830	-.01464	.27294	1.68329	1.65248	.30324
1.200	7.145	.01692	.58438	.72232	.00653	.02091	-.05018	.36866	1.75738	1.69788	.31110
1.200	9.181	.03120	.77569	1.11539	.00039	.08488	-.10288	.48813	1.84145	1.73997	.33040
1.200	10.233	.04810	.89230	1.38515	.00223	.11247	-.15450	.56672	1.88346	1.75282	.34432
1.200	11.262	.05799	1.00069	1.63395	.00170	.20038	-.20085	.63664	1.92684	1.76540	.34699
1.200	13.373	.08421	1.25264	2.22142	.00157	.46561	-.33135	.81000	2.00872	1.76690	.35643
1.200	15.464	.11167	1.56664	2.90452	.00281	.73711	-.46737	1.04265	2.10679	1.75252	.36272
1.199	17.591	.14548	1.94734	3.78052	.00245	.90434	-.59799	1.33474	2.23354	1.72572	.36804
1.199	19.764	.13728	2.42972	4.88286	.00335	.69125	-.52997	1.71672	2.40762	1.68529	.37068
1.200	21.963	.10564	3.01213	6.20928	.00554	.49612	-.40187	2.17991	2.64813	1.64064	.37489
1.200	24.241	.06772	3.63744	7.51731	.00318	.41405	-.28100	2.66468	2.94155	1.58816	.37930
	GRADIENT	.00020	.09187	-.00439	.00057	.01090	-.00304	.06383	.00505	.00257	-.00266

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS039) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 140/ 0 RN/L = 5.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	19.248	.07747	1.77548	2.53587	-.00116	.73508	-.44099	1.37899	1.43655	.90164	.33777
.600	21.393	.08912	2.03558	3.13905	.00315	.71187	-.47531	1.57813	1.55217	.86957	.34182
.600	23.446	.10127	2.29387	3.70175	.00131	.74036	-.52341	1.77148	1.68054	.83696	.34799
.599	25.568	.08663	2.60275	4.29303	-.00133	.64134	-.44860	2.00081	1.84870	.80414	.35450
.600	27.655	.09948	2.93879	4.85377	.00372	.71352	-.50893	2.24492	2.04747	.77157	.36459
.600	29.732	.19149	3.34314	5.34454	-.00260	.91111	-.87417	2.53479	2.30277	.74252	.38407
.600	30.783	.28532	3.59808	5.48707	-.00042	.85482	-1.19066	2.71935	2.46557	.72645	.39875
.600	31.788	.35042	3.86103	5.65088	-.00567	.57742	-1.35701	2.90715	2.63861	.71143	.41062
.600	33.930	.56838	4.61579	5.53372	-.00062	-.34787	-1.91309	3.45801	3.12913	.66615	.45133
.600	36.163	.68121	5.74598	5.56578	-.01016	-2.58405	-2.51673	4.26553	3.90154	.63284	.49522
.600	38.404	1.15085	6.62975	7.02213	-.01770	-5.25205	-2.89107	4.84885	4.55560	.55785	.50478
.600	40.551	1.21788	7.13580	8.02936	-.00847	-6.81343	-2.80382	5.11968	4.99247	.46499	.48673
.600	42.629	1.16441	7.51701	8.61083	.00103	-7.64227	-2.45260	5.27188	5.37204	.38217	.50030
.599	44.740	.95225	7.73679	9.22238	.00409	-6.44088	-2.00678	5.28819	5.65506	.29454	.51512
	GRADIENT	.05261	.26330	.24426	-.00024	-.36780	-.10565	.17843	.18257	-.02244	.00826

RUN NO. 139/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	19.482	.46277	2.23101	2.08836	.00154	-.49752	-1.01334	1.72281	1.81953	1.14078	.35473
.900	21.782	.54177	2.67239	2.77697	.00014	-.90720	-1.10524	2.07346	2.01297	1.09984	.36800
.899	23.929	.66144	3.11758	3.41373	.00169	-1.30209	-1.30017	2.41849	2.23609	1.06296	.38458
.901	26.072	.48046	3.47628	4.45439	.00226	-.77418	-.97753	2.66774	2.45733	1.03479	.39805
.900	28.368	-.32995	4.03209	5.72736	-.00078	1.90229	.36220	3.07405	2.79330	.99728	.42383
.900	30.528	-.04905	4.56675	6.95613	-.00306	1.52082	-.22503	3.44870	3.14221	.95484	.44053
.900	31.654	.08463	4.93839	7.70006	-.00322	1.03437	-.43543	3.72522	3.36777	.91185	.44831
.899	32.628	-.00278	5.21822	8.54072	-.00412	1.35958	-.29944	3.90244	3.57668	.88990	.45218
.899	35.074	-.02977	5.79357	10.37420	-.00283	1.18981	-.19624	4.27382	3.99528	.81385	.45108
.900	37.429	.14006	6.72952	12.08235	-.00201	.23893	-.39220	4.90875	4.65869	.71607	.44779
.900	39.854	.23972	7.95914	13.44100	-.00546	.21013	-.63036	5.68180	5.61352	.66824	.47512
.900	41.027	.23452	8.55375	14.16259	-.00497	.09640	-.59391	6.02408	6.10770	.65340	.48798
	GRADIENT	-.01926	.28461	.59041	-.00033	.06521	.03173	.19478	.19220	-.02365	.00586

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS039) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 138/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	19.636	.15596	2.35131	4.79523	.00297	.53143	-.54557	1.67117	2.31315	1.61704	.33876
1.198	21.949	.12557	2.93247	6.13602	.00256	.29440	-.40680	2.12817	2.56446	1.58309	.34939
1.199	24.186	.08604	3.55251	7.37180	.00319	.17782	-.27211	2.60817	2.86379	1.54386	.35857
1.200	26.351	.04754	4.23298	8.53679	.00393	.17918	-.16821	3.12521	3.22733	1.50484	.37368
1.200	28.455	.01269	5.04993	9.84206	-.00094	.13693	-.06490	3.73651	3.69331	1.44920	.38329
1.200	30.965	-.04723	5.99471	11.08985	.00281	.05538	.11437	4.42227	4.28110	1.39563	.39198
1.199	32.092	-.08683	6.51868	11.54825	.00064	.20115	.18814	4.79010	4.63133	1.37878	.40760
1.200	33.238	-.09462	6.99286	11.81126	.00047	.31402	.18377	5.10120	4.97377	1.36399	.41290
1.200	35.502	-.07109	7.98704	12.56538	.00121	.34194	.11480	5.73903	5.70819	1.31421	.42691
1.200	37.642	-.00796	8.99391	13.03318	-.00648	.06933	.00597	6.35887	6.48196	1.24923	.42879
1.199	40.005	.01812	10.14487	13.36794	-.01140	.30572	-.11828	6.99354	7.44786	1.20907	.44908
1.199	42.256	-.01043	11.44194	13.02201	-.01655	.69805	-.12847	7.64356	8.60231	1.22711	.50727
1.200	44.545	-.03764	12.61780	12.94801	-.02188	.61371	-.03366	8.18884	9.66773	1.14598	.50711
1.199	46.807	-.04084	13.58244	12.97845	-.02327	-.35369	.19441	8.52689	10.62496	1.05583	.49735
	GRADIENT	-.00604	.42546	.30950	-.00102	-.00259	.01709	.26654	.31163	-.01988	.00653

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SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS040) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 52/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	79.555	-.04528	15.44867	9.98509	-.00048	-.01285	.51547	2.61773	15.22641	.1[illegible]	.00000
.600	80.739	-.03620	15.82248	9.82124	-.00409	-.07417	.46240	2.35500	15.64744	.1937[illegible]	.00000
.600	82.924	-.04484	16.82423	9.86545	-.00958	.08887	.42306	1.90218	16.71723	.17162	.00000
.601	84.898	-.06807	17.41213	10.45776	-.01601	.40824	.41551	1.43382	17.35338	.11500	.00000
.600	86.999	-.05166	17.76284	11.16997	-.01529	.30551	.31810	.89678	17.74022	.03326	.00000
.600	89.016	-.04278	17.94698	11.23319	-.01996	.27425	.24575	.27109	17.94497	.03721	.00000
.600	90.847	-.03225	17.96574	11.53750	-.01969	.25116	.14879	-.30902	17.96313	.04343	.00000
.600	92.887	-.03087	17.77254	11.94993	-.01644	.26286	.12439	-.86641	17.75144	-.02873	.00000
.600	95.126	-.01288	17.46483	11.51002	-.01203	-.06110	.19177	-1.41348	17.40816	-.14751	.00000
.600	96.999	-.00312	16.94437	10.69643	-.00689	-.23391	.22532	-1.77430	16.85376	-.29269	.00000
.600	98.977	-.03150	15.84194	9.18678	-.00585	.07966	.28526	-2.05795	15.71329	-.41902	.00000
.600	100.958	-.06442	14.47988	6.68691	-.00201	.35889	.42736	-2.25329	14.31251	-.50836	.00000
.600	103.647	-.08929	13.67283	4.40484	.00147	.70073	.43835	-2.60120	13.43851	-.64299	.00000
	GRADIENT	-.00022	-.06702	-.13977	.00022	.01044	-.00557	-.23320	-.05805	-.03431	.00000

RUN NO. 51/ 0 RN/L = 5.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	80.008	-.02557	17.74296	12.54735	-.04115	.14685	.07533	2.53996	17.56873	.54707	.00000
.900	82.380	-.02857	18.10342	11.90171	-.04232	.21056	.04493	1.89525	18.01115	.50967	.00000
.900	84.547	-.02534	18.31903	10.99684	-.04094	.13682	.07972	1.26984	18.28109	.47313	.00000
.899	86.628	-.01775	18.38957	9.87858	-.04375	.03840	.10245	.63851	18.38384	.44399	.00000
.899	88.563	-.02586	18.46236	8.62313	-.04380	.10942	.10529	.03203	18.46736	.43102	.00000
.899	90.490	-.03584	18.43695	7.48133	-.04373	.25069	.06512	-.55714	18.43286	.39939	.00000
.899	92.544	-.03648	18.41271	6.25694	-.04642	.24090	.09330	-1.17259	18.37877	.35576	.00000
.899	94.351	-.03648	18.24158	5.00874	-.04422	.20345	.12452	-1.66937	18.16729	.28632	.00000
.900	96.353	-.03893	18.07942	3.62045	-.04351	.15713	.16632	-2.19554	17.94669	.19616	.00000
.899	98.180	-.02399	17.91248	2.39061	-.04173	.02741	.16005	-2.63724	17.71754	.09559	.00000
.900	100.468	-.02192	17.67622	.76266	-.04315	-.01304	.17845	-3.17357	17.38904	-.03872	.00000
.900	103.866	-.03994	17.15174	-1.32667	-.03755	.06693	.25514	-3.88424	16.70776	-.23291	.00000
	GRADIENT	-.00041	-.02700	-.60551	.00005	-.00474	.00713	-.27719	-.03867	-.03064	.00000

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS040) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 50/ 0 RN/L = 4.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	79.900	.01195	20.44836	12.53740	-.06104	-.25882	.10863	3.05851	20.22545	.53560	.00000
1.198	81.948	.00915	20.65763	11.84495	-.06440	-.22680	.10703	2.41041	20.52232	.48798	.00000
1.199	83.996	.00833	20.80193	11.16595	-.05992	-.20715	.09831	1.74026	20.73364	.43805	.00000
1.199	86.031	.00716	20.83108	10.52075	-.06517	-.20090	.10331	1.06840	20.80703	.37444	.00000
1.198	87.977	.00555	20.87112	9.91355	-.06174	-.19010	.10818	.43498	20.86877	.30195	.00000
1.199	89.928	.00943	20.97968	9.33000	-.05771	-.22038	.10022	-.19865	20.97995	.22516	.00000
1.200	91.857	.00708	21.02303	8.77266	-.06453	-.20636	.10856	-.81897	21.00752	.13773	.00000
1.200	93.804	.00712	20.97031	8.22210	-.06044	-.19741	.10080	-1.44213	20.92073	.05116	.00000
1.200	95.741	.00376	20.81996	7.53006	-.06240	-.19594	.12789	-2.05296	20.71852	-.03000	.00000
1.200	97.796	.00026	20.64326	6.77260	-.06147	-.16844	.13514	-2.67549	20.46953	-.12573	.00000
1.200	99.890	-.00325	20.39801	6.07323	-.06173	-.12269	.12770	-3.22121	20.14321	-.21535	.00000
1.200	103.708	-.00670	15.85607	4.63784	-.04191	.00591	.05340	-3.32484	15.50995	-.44531	.00000
	GRADIENT	-.00067	-.10248	-.32512	.00044	.00739	-.00027	-.29351	-.10924	-.04104	.00000

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SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS041) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 63/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.599	76.219	.00057	15.01567	5.95500	.10286	.48178	.25150	3.39292	14.62855	.18955	.00000
.599	78.265	-.03822	16.08857	5.67845	.10208	.58924	.02965	3.04270	15.79996	.23429	.00000
.599	80.237	-.03055	16.46811	5.68377	.10338	.43748	.00916	2.53681	16.27361	.25953	.00000
.598	82.151	-.04636	17.15465	5.68998	.09934	.51916	-.05378	2.09500	17.02808	.24996	.00000
.599	84.075	-.05474	17.62062	6.10050	.09494	.65532	-.04194	1.60778	17.54840	.21231	.00000
.598	86.180	-.06674	17.98365	6.50995	.09878	.82941	-.03536	1.03566	17.95454	.16272	.00000
.599	88.152	-.06527	18.19670	6.58040	.09721	.79905	-.03534	.47685	18.19078	.10997	.00000
.599	90.190	-.06787	18.33374	7.03686	.10031	.60930	-.14519	-.15366	18.33333	.09280	.00000
.599	92.147	-.04762	17.98321	7.59113	.10134	.45370	-.08989	-.77487	17.96679	.10126	.00000
.600	94.239	-.01806	17.41243	7.40988	.10482	.31745	.03475	-1.31407	17.36279	.02699	.00000
.600	96.394	.00835	16.85452	6.93785	.10314	.11351	.10716	-1.76941	16.76174	-.10813	.00000
.599	98.433	.01415	16.14918	6.02251	.10482	.13926	.15714	-2.13885	16.00859	-.23194	.00000
.599	100.400	.01265	15.47505	4.86448	.10375	.26324	.20636	-2.47944	15.27846	-.31940	.00000
	GRADIENT	.00164	.01629	.02190	.00014	-.01677	.00268	-.25761	.02342	-.02139	.00000

RUN NO. 62/ 0 RN/L = 5.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.900	76.351	.02417	17.14197	15.40789	.08287	-.39439	-.07794	3.45060	16.80218	.61162	.00000
.899	78.257	.03011	17.50850	14.71009	.07907	-.50273	-.10348	2.88975	17.07780	.64644	.00000
.900	80.186	.02103	17.51713	13.72418	.08154	-.34691	-.07095	2.33777	17.37289	.65756	.00000
.900	82.102	-.01385	17.80609	12.77192	.08145	-.04526	-.08236	1.81995	17.72414	.63289	.00000
.900	84.000	-.04121	18.05419	11.82319	.08123	.09394	-.13630	1.29653	18.01736	.59384	.00000
.899	85.990	-.02446	18.14759	10.43859	.08033	-.04667	-.12900	.68726	18.14394	.58318	.00000
.900	87.875	-.00880	18.25864	9.19571	.07988	-.13515	-.10227	.11296	18.26701	.56446	.00000
.900	89.841	.01689	18.24415	7.78965	.08008	-.29608	-.06637	-.51258	18.24564	.56308	.00000
.900	91.782	.01052	18.20815	6.85529	.07742	-.22155	-.05886	-1.10392	18.18262	.53789	.00000
.900	93.749	-.00621	18.13759	5.79920	.07859	-.08436	-.06700	-1.66098	18.06765	.47603	.00000
.900	95.758	-.01301	18.01456	4.48747	.07539	-.01382	-.06349	-2.20561	17.88351	.40033	.00000
.900	97.646	.00354	17.81340	3.24948	.07656	-.05819	-.01198	-2.68204	17.61315	.31486	.00000
.899	99.636	-.00208	17.55765	1.92315	.07408	-.08631	-.04999	-3.17341	17.27012	.23793	.00000
	GRADIENT	-.00075	.02360	-.59071	-.00050	.01243	.00261	-.28932	.02517	-.01569	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS041) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 61/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
1.200	75.911	.00410	20.31630	12.96057	.09421	-.22660	-.08642	4.19679	19.89309	.77214	.00000
1.199	77.928	.01014	20.56224	12.56643	.09064	-.28620	-.08457	3.56829	20.26317	.78327	.00000
1.198	79.939	.00874	20.87180	12.08725	.08607	-.35107	-.12251	2.96899	20.67100	.66772	.00000
1.199	81.911	.01099	21.05671	11.67476	.08956	-.39663	-.13321	2.34559	20.93495	.62370	.00000
1.198	83.920	.01038	21.05618	11.15301	.09065	-.36406	-.12103	1.67641	20.99673	.55696	.00000
1.199	85.898	.00936	21.04518	10.59641	.09122	-.34746	-.14777	1.01643	21.02633	.49014	.00000
1.198	87.881	.00644	20.98563	9.83011	.08988	-.36682	-.14190	.36257	20.98672	.42081	.00000
1.199	89.831	.00607	21.05198	9.17316	.08667	-.36678	-.14370	-.26414	21.05285	.32624	.00000
1.200	91.810	.00132	21.10880	8.73496	.09011	-.35576	-.16173	-.90377	21.09078	.23729	.00000
1.200	93.779	.00118	21.05995	8.38769	.08969	-.35187	-.19054	-1.53684	21.00432	.14912	.00000
1.200	95.808	.00053	20.81878	7.70598	.08558	-.33931	-.15778	-2.17140	20.70533	.06498	.00000
1.200	97.785	-.00480	20.61247	6.95082	.08514	-.27780	-.15405	-2.76777	20.42582	-.02321	.00000
1.200	99.829	-.00972	20.41732	6.32718	.08483	-.25835	-.17034	-3.46185	20.13903	-.12550	.00000
	GRADIENT	-.00065	.00209	-.28139	-.00026	.00009	-.00319	-.12024	.00784	-.03831	.00000

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SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS042) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 170/ 0 RN/L = 5.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.599	135.365	-.24028	7.50836	-3.88651	.02746	1.77105	-.43392	-3.76142	6.87709	-2.25104	.37116
.600	137.534	-.13914	6.95522	-3.83703	.02424	1.50771	-.14650	-3.57818	6.39217	-2.29959	.31614
.599	139.568	-.13503	6.45742	-3.80682	.01937	1.63497	-.10458	-3.38507	5.98385	-2.35943	.26368
.600	141.729	-.15901	5.84755	-3.72076	.01825	1.74949	-.15502	-3.10050	5.51097	-2.40624	.21850
.599	143.856	-.21145	5.27894	-3.63794	.01795	2.11765	-.24674	-2.82288	5.08527	-2.44161	.18741
.600	145.944	-.19412	4.69074	-3.54641	.01091	2.46578	-.11505	-2.50458	4.67093	-2.46727	.14872
.599	148.094	-.23317	4.21072	-3.24743	.00889	3.43798	-.03955	-2.27155	4.32968	-2.47496	.11443
.600	150.159	-.26353	3.70685	-3.13893	.00307	3.57690	-.10742	-1.99934	3.96426	-2.44377	.07056
.600	152.256	-.30931	3.25050	-2.99645	.00581	3.45921	-.27922	-1.79121	3.57705	-2.33195	.03274
.599	154.434	-.28138	2.91596	-3.00999	.00294	2.92525	-.30382	-1.69161	3.22089	-2.17552	.00720
.600	156.413	-.22414	2.63052	-2.95419	.00100	2.27739	-.25370	-1.59417	2.92280	-2.04071	-.00865
.600	158.450	-.20826	2.31907	-2.84167	-.00079	1.70506	-.32341	-1.45194	2.63708	-1.91943	-.02119
.600	160.697	-.21666	1.91536	-2.71898	.00068	1.09980	-.48162	-1.21602	2.32243	-1.78991	-.03609
	GRADIENT	-.00312	-.22425	.05017	-.00114	.01813	-.00591	.10410	-.18000	.01789	-.01630

RUN NO. 169/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.899	133.324	.02755	10.99676	-6.56747	.04850	.03285	.07025	-5.92820	9.52500	-2.22274	.36393
.899	135.864	-.07866	10.27463	-5.93938	.04602	.15898	-.14611	-5.71843	8.86114	-2.37741	.30375
.900	137.992	-.13681	9.35179	-5.61590	.04358	.42968	-.21923	-5.30602	8.08261	-2.45488	.25636
.900	140.334	-.10233	8.32514	-5.29940	.04127	.47127	-.13104	-4.80688	7.24553	-2.50915	.22223
.900	142.641	.03649	7.56646	-4.50622	.03382	.41258	.16642	-4.45196	6.63774	-2.57453	.21495
.900	144.896	.08908	6.53019	-4.21654	.02806	.61188	.32363	-3.84074	5.89157	-2.61124	.19574
.900	148.400	.20944	5.11726	-3.08128	.02071	1.23416	.71673	-2.96177	4.95176	-2.66564	.20447
.899	149.513	.08110	4.69023	-2.73517	.0164	1.85578	.56282	-2.69975	4.65926	-2.64557	.20254
.899	151.788	-.13470	3.89894	-2.47551	.00857	2.44691	.20958	-2.24262	4.06726	-2.52393	.17646
.900	153.926	-.23680	3.37442	-2.18294	.01022	2.92203	.08243	-1.95347	3.68522	-2.45157	.16285
.900	156.126	-.26704	2.91919	-1.89650	.00529	2.79026	-.01355	-1.69855	3.37504	-2.39880	.15544
.900	158.222	-.31510	2.54592	-1.60919	.00432	2.37651	-.20884	-1.49038	3.13177	-2.35532	.15956
.900	160.356	-.37724	2.22380	-1.45505	-.00349	1.82627	-.46547	-1.33064	2.88713	-2.27175	.16007
	GRADIENT	-.01135	-.34502	.20094	-.00202	.10723	-.00297	.18893	-.25541	.00021	-.00636

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS042) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 168/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	133.592	.03383	12.77771	-2.81880	.04554	-.24100	.03730	-7.02044	10.95861	-2.47138	.34401
1.200	135.812	.03032	11.85918	-3.20966	.04359	-.25513	.02448	-6.69731	10.12436	-2.59164	.32597
1.200	138.034	.03994	10.91993	-3.67414	.04033	-.30713	.03730	-6.32074	9.30204	-2.68976	.29759
1.199	140.293	.03927	10.00202	-3.96067	.03711	-.29144	.03818	-5.92604	8.51984	-2.76861	.27664
1.199	142.526	.05138	9.12948	-4.10400	.03886	-.31179	.08350	-5.52845	7.79406	-2.82200	.25448
1.199	144.664	.03278	8.30854	-4.11701	.03205	-.22974	.03379	-5.11667	7.14853	-2.87226	.23604
1.200	146.916	.03154	7.38409	-4.17066	.02901	-.21201	.03414	-4.59229	6.47835	-2.92117	.22809
1.199	149.125	.03343	6.68364	-3.64895	.02621	-.12734	.05638	-4.22336	5.96058	-2.94861	.25161
1.199	151.324	.09366	5.97748	-3.31401	.02850	1.26197	.49266	-3.84504	5.42669	-2.91509	.28110
1.199	153.549	.07390	5.01127	-3.49386	.02690	1.86791	.56952	-3.21884	4.78048	-2.84624	.23355
1.200	155.763	.01866	4.07974	-3.53139	.02763	2.30592	.52364	-2.57795	4.21190	-2.78238	.19839
1.199	158.002	-.05035	3.30413	-3.34699	.01548	2.20097	.33004	-2.03828	3.77559	-2.73722	.18919
1.199	160.341	-.19888	2.59952	-3.01411	.00974	1.48534	-.19159	-1.54649	3.39800	-2.67964	.17564
	GRADIENT	-.00422	-.38126	.00536	-.00113	.10581	.01123	.20659	-.28351	-.00702	-.00533

SA-2F(6TP1-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS043) (29 OCT 75)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 167/ 0 RN/L = 5.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	156.373	-.22273	2.69318	-2.92967	.00435	2.43255	-.23461	-1.64669	2.95558	-2.04788	-.00024
.600	158.434	-.22246	2.34134	-2.83699	-.00156	1.93298	-.33003	-1.47028	2.64981	-1.92388	-.01350
.600	160.509	-.22657	1.96914	-2.77326	.00337	1.34056	-.46117	-1.25226	2.36353	-1.81035	-.02868
.601	162.528	-.19736	1.62233	-2.72057	-.00181	.73937	-.48622	-1.02934	2.13321	-1.72573	-.04726
.600	164.622	-.15144	1.24867	-2.45976	-.00319	.27526	-.43195	-.76490	1.92747	-1.65561	-.06544
.600	166.712	-.10633	.92580	-2.04088	-.00191	.06417	-.32911	-.53465	1.76408	-1.59397	-.08006
.600	168.764	-.07883	.65191	-1.61649	-.00122	.03954	-.24528	-.34285	1.61376	-1.52190	-.08802
.600	170.825	-.05809	.41805	-1.25279	-.00537	.04130	-.17809	-.18468	1.47837	-1.43000	-.09370
.600	172.921	-.03357	.24729	-.94213	-.00022	.03940	-.09983	-.08337	1.33525	-1.31480	-.09856
.600	174.900	-.01401	.15816	-.66782	-.00198	.03718	-.03750	-.04906	1.22954	-1.22031	-.10135
.600	176.976	-.00190	.02716	-.19656	-.00691	.00748	-.00462	.04293	1.32748	-1.32789	-.10891
.600	179.000	-.00026	-.01060	-.04623	-.00112	.03319	.00604	.03421	1.35254	-1.35293	-.11129
.600	181.132	.00156	-.05001	.04394	.00046	.02505	.01029	.02342	1.34680	-1.34607	-.11164
	GRADIENT	.01117	-.11439	.13885	-.00016	-.08505	.01903	.07302	-.06525	.03029	-.00459

RUN NO. 166/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	156.025	-.27626	3.00072	-1.86914	.00739	2.91735	-.02294	-1.76336	3.41961	-2.40807	.15822
.900	158.122	-.33268	2.61338	-1.59912	.00342	2.57590	-.21540	-1.54858	3.15680	-2.35239	.16805
.900	160.227	-.37523	2.25922	-1.51147	.00125	1.95162	-.43450	-1.35318	2.91412	-2.28454	.16362
.900	162.319	-.40568	1.94440	-1.44837	-.00225	1.08475	-.67619	-1.18427	2.68703	-2.20043	.14692
.900	164.437	-.39056	1.63642	-1.28746	-.00413	.22187	-.81787	-1.01852	2.44218	-2.07936	.12296
.900	166.574	-.31972	1.34554	-.89903	-.00355	-.20413	-.74706	-.85372	2.21862	-1.95975	.11096
.900	168.678	-.16341	.95277	-.37159	-.00225	-.02711	-.36538	-.53894	2.16133	-2.01346	.10454
.900	170.825	-.11199	.66732	.04202	-.00255	.04836	-.23646	-.35704	1.97452	-1.89233	.08887
.900	172.853	-.07713	.45138	.30584	-.00447	.12030	-.14502	-.22886	1.80265	-1.76016	.06302
.900	174.970	-.04556	.30337	.39118	-.00677	.12278	-.07521	-.16038	1.63783	-1.61746	.01901
.900	176.956	-.01971	.17322	.38428	-.00658	.07790	-.02755	-.09317	1.50987	-1.50279	-.02629
.900	179.022	.00203	.04320	.38288	-.00524	-.01788	.00082	-.01845	1.45096	-1.45043	-.05478
.900	181.128	.01150	-.05983	-.29330	-.00181	-.04348	.01675	.03121	1.45397	-1.45308	-.05782
	GRADIENT	.01768	-.12485	.09622	-.00038	-.10809	.01727	.07515	-.08039	.04150	-.00968

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS043) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 165/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	155.442	.02370	4.19569	-3.79911	.02769	2.70640	.62082	-2.66275	4.26787	-2.77511	.17508
1.199	157.963	-.06208	3.32437	-3.56678	.02177	2.60371	.38207	-2.06152	3.76714	-2.71842	.16377
1.200	160.101	-.19324	2.69030	-3.23931	.01412	2.04316	-.06216	-1.61834	3.43339	-2.67758	.16705
1.200	162.282	-.32949	2.14343	-2.81861	.00495	.72167	-.67229	-1.22420	3.21123	-2.68633	.15836
1.200	164.410	-.37564	1.73408	-2.37171	-.00188	-.08525	-.95016	-.95877	3.01607	-2.64743	.15193
1.200	166.549	-.31880	1.38699	-1.98821	.00037	-.31007	-.85308	-.74755	2.83706	-2.58534	.14955
1.200	168.616	-.22669	1.07544	-1.64369	-.00056	-.33441	-.62920	-.55658	2.68423	-2.52157	.13916
1.200	170.706	-.12699	.79710	-1.29582	-.00180	-.18778	-.35264	-.39443	2.52549	-2.42864	.11969
1.199	172.772	-.06110	.56784	-.96770	-.00112	-.07842	-.16729	-.26920	2.39065	-2.33779	.08156
1.199	174.892	-.02809	.37250	-.61074	-.00086	.06803	-.05552	-.17022	2.27934	-2.25513	.04479
1.200	176.945	-.01964	.22064	-.34606	-.00111	.14398	-.01901	-.10419	2.18772	-2.17906	.03104
1.200	178.983	-.01142	.12636	.08704	-.00105	.20736	.01439	-.08841	2.13949	-2.13758	.03475
1.199	181.172	-.00743	-.05326	.33138	.00391	.18306	.01919	.00922	2.15290	-2.15226	.04908
	GRADIENT	.00623	-.15520	.16789	-.00088	-.09584	-.00428	.09607	-.07857	.02770	-.00635

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS044) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 125/ 0 RN/L = 5.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	-1.160	-.00386	-.10216	-.04387	.00450	.04785	.00300	-.08536	.83085	.82895	.25078
.600	1.614	-.00499	.11366	.09275	.00372	.04251	.00808	.09020	.83421	.83134	.25410
.600	3.170	-.00369	.23525	.20066	.00184	.00726	.01137	.18800	.85950	.84779	.25662
.600	4.865	-.00268	.38555	.34238	-.00397	-.02499	.01503	.31109	.89162	.86204	.26341
.599	6.974	.00399	.57026	.54215	-.00527	-.10368	.00934	.45752	.95645	.89382	.27828
.600	9.014	.00924	.79401	.78661	-.01465	-.14978	.00140	.63941	1.03715	.92417	.29339
.600	9.970	.00808	.91565	.90679	-.01700	-.15203	.00595	.74102	1.07326	.92875	.29984
.600	11.214	.00773	1.07152	1.05117	-.02305	-.16619	.01038	.87038	1.11970	.92906	.30498
.600	13.139	-.00272	1.36675	1.35817	-.02655	-.16569	.04684	1.11725	1.22625	.94017	.31400
.599	15.229	-.02074	1.72435	1.76426	-.04092	-.09496	.09446	1.42017	1.34783	.92745	.32531
.600	17.378	-.05237	2.11404	2.21196	-.05228	-.02955	.19152	1.74464	1.50344	.91374	.33692
.600	19.399	-.10382	2.57209	2.68517	-.06308	-.00066	.36850	2.12780	1.70133	.89800	.34645
.600	21.453	-.17530	3.07172	3.05976	-.07726	.20688	.57984	2.54246	1.92872	.86522	.35118
.600	23.808	-.27863	3.76242	3.58489	-.09133	.89782	.80152	3.10515	2.28280	.83505	.35947
	GRADIENT	.00020	.08050	.06343	-.00130	-.01219	.00199	.06538	.00992	.00556	.00199

RUN NO. 124/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.901	-1.167	.01068	-.09687	-.04023	.00648	-.03632	-.01785	-.07492	1.07831	1.07655	.25670
.900	.837	.00528	.05930	.03365	.00173	-.03038	-.00594	.04355	1.07782	1.07706	.25916
.901	2.756	.00307	.23170	.10880	.00073	-.00428	-.00643	.17851	1.11043	1.10056	.26130
.900	5.083	-.00655	.46001	.23352	-.00305	-.01236	.01851	.35820	1.16494	1.12862	.27324
.901	6.843	-.01923	.66304	.35356	-.00664	-.04104	.05291	.51902	1.23975	1.16908	.29011
.900	9.077	-.03647	.93872	.56019	-.01606	-.06435	.10661	.73695	1.33754	1.20454	.30603
.900	10.477	-.05143	1.12963	.73608	-.01988	-.06105	.13694	.88984	1.40030	1.21515	.31698
.899	11.677	-.06366	1.32075	.90780	-.02509	-.04435	.16258	1.04566	1.46617	1.22420	.32447
.900	13.454	-.07266	1.61209	1.24777	-.03243	.05146	.16265	1.28239	1.56836	1.22697	.33484
.900	15.622	-.11229	2.03031	1.73403	-.04399	.26603	.21043	1.63079	1.70734	1.20513	.34384
.901	17.569	-.14908	2.46294	2.29522	-.05342	.54749	.23660	1.98894	1.87762	1.18965	.35219
.899	20.030	-.20587	3.07322	3.16931	-.06628	1.03000	.26934	2.49263	2.13526	1.15233	.36258
.900	22.067	-.27622	3.64192	4.09905	-.07628	1.44600	.35109	2.95293	2.40973	1.12384	.37454
.899	24.441	-.33005	4.31217	5.41772	-.09064	1.96740	.37462	3.47845	2.76836	1.08103	.38905
	GRADIENT	-.00195	.08371	.03798	-.00147	.00813	.00293	.06456	.00813	.00608	.00117

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS044) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 123/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	-1.153	-.00558	-.09277	-.03772	.00087	.03042	.00841	-.06074	1.59188	1.59033	.29820
1.200	.900	-.00784	.12747	-.15228	-.00027	.03512	.01343	.10254	1.58662	1.58481	.29447
1.199	2.976	-.00709	.30679	-.06379	-.00178	-.02271	.02432	.22330	1.61381	1.60004	.29201
1.199	5.455	-.00260	.49627	.38704	-.00553	-.10580	.03082	.33729	1.68829	1.64858	.30173
1.199	7.028	.00237	.63840	.73613	-.00966	-.13640	.02432	.42577	1.76404	1.69870	.31742
1.200	9.079	.00863	.88720	1.16537	-.01528	-.19403	.02047	.59838	1.87780	1.75985	.33902
1.199	10.242	.01167	1.04967	1.45106	-.01968	-.21746	.01755	.71617	1.93979	1.78154	.35243
1.200	11.137	.01120	1.19348	1.65875	-.02195	-.17066	.00832	.82591	1.98340	1.78651	.35444
1.200	13.334	.02568	1.58499	2.30169	-.03299	.05366	-.08119	1.13199	2.09661	1.77903	.35868
1.200	15.445	.04840	2.00007	3.11256	-.04104	.32717	-.20431	1.46369	2.21262	1.74292	.35823
1.200	17.752	.10738	2.55043	4.19477	-.05121	.84948	-.48246	1.90941	2.40057	1.70407	.36143
1.200	19.812	.16939	3.11475	5.25162	-.06085	1.33257	-.76195	2.36706	2.61940	1.66209	.36747
1.199	22.427	.20163	3.90027	6.76592	-.07934	1.47870	-.88805	2.98954	2.97986	1.61394	.37267
1.199	24.513	.23131	4.64384	8.08646	-.08496	1.63608	-1.01091	3.57001	3.36374	1.57940	.37735
	GRADIENT	-.00036	.09675	-.00622	-.00064	-.01290	.00386	.06877	.00533	.00236	-.00150

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F(8TPT-635)SRB W/ELE TUNNEL AND THRUST ATT (RPS045) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 128/ 0 RN/L = 5.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	19.351	-.11056	2.51832	2.58796	-.05398	-.23356	.44606	2.08660	1.65867	.87357	.33581
.600	21.393	-.18167	3.03823	2.98450	-.06811	-.01608	.64547	2.52030	1.89597	.84602	.33896
.600	23.609	-.26934	3.67295	3.49257	-.08368	.60322	.81227	3.03922	2.21755	.81476	.34366
.600	25.698	-.35336	4.29113	4.14754	-.09807	1.68547	.86116	3.51706	2.58731	.80629	.36653
.599	27.729	-.42813	4.89598	4.92987	-.11762	3.37065	.74456	3.96260	2.98405	.79760	.39904
.599	29.932	-.51078	5.65289	5.72776	-.13549	5.91000	.45855	4.51283	3.49117	.77376	.43592
.600	31.169	-.54689	6.19780	6.11238	-.14489	7.72217	.17255	4.90906	3.85919	.76130	.45550
.600	32.055	-.55339	6.51494	6.39200	-.15631	8.67140	-.01318	5.12744	4.08723	.74273	.46271
.600	34.375	-.56348	7.45118	7.35878	-.18256	11.36340	-.57937	5.77490	4.75516	.66412	.45420
.600	36.539	-.51681	8.12144	8.32812	-.19216	12.38551	-.96733	6.16621	5.31970	.60293	.44965
.600	38.704	-.34356	8.61034	9.64269	-.20079	12.11636	-1.51039	6.37312	5.81618	.55373	.46420
.599	40.704	.12025	8.53498	11.31620	-.18787	9.12056	-2.48300	6.14972	5.93872	.49123	.46210
	GRADIENT	-.00371	.31186	.39110	-.00734	.66017	-.13574	.21525	.21919	-.01706	.00721

RUN NO. 127/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	19.755	-.19678	2.98319	3.02338	-.06359	.80022	.23827	2.42849	2.06399	1.12170	.34435
.898	22.026	-.24133	3.58304	4.06053	-.07333	1.17783	.31905	2.91676	2.34429	1.07933	.35568
.899	24.177	-.30469	4.20090	5.28217	-.08462	1.65375	.36089	3.40315	2.67667	1.04808	.36734
.900	27.052	-.37220	5.08464	7.19748	-.10162	3.19046	.17309	4.06851	3.21296	1.01108	.39571
.900	28.705	-.22983	5.54385	8.35220	-.10754	3.75441	-.29516	4.38493	3.53486	.99431	.41299
.900	31.152	-.07320	6.45141	9.77468	-.12315	5.47173	-1.05668	5.02691	4.15493	.95531	.44252
.900	32.539	.01135	7.01902	10.54555	-.13501	6.51837	-1.49485	5.42801	4.54208	.90946	.44660
.900	33.765	.09725	7.25127	11.22708	-.13662	6.31776	-1.65557	5.56574	4.73270	.89168	.44910
.901	35.647	.30050	8.09688	12.93982	-.14944	6.26363	-2.13250	6.09486	5.39486	.83200	.45449
.901	37.382	.51280	8.81917	14.16677	-.15735	6.26191	-2.64729	6.53690	5.97060	.77554	.45903
	GRADIENT	.03998	.33097	.63646	-.00549	.37929	-.18187	.23413	.22141	-.01845	.00735

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS045) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 126/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	19.781	.16233	3.08451	5.25088	-.06237	.98458	-.66428	2.35927	2.55433	1.60516	.33936
1.200	22.113	.21479	3.78664	6.62534	-.07502	1.23637	-.86046	2.91462	2.88603	1.57658	.34965
1.200	24.217	.24214	4.51276	7.92814	-.08099	1.39833	-.96813	3.48202	3.25987	1.54472	.36165
1.200	26.436	.28480	5.27772	9.17054	-.09139	1.83847	-1.17991	4.05821	3.69248	1.49970	.36994
1.200	28.766	.30221	6.15358	10.51031	-.10514	2.14984	-1.29560	4.69421	4.23637	1.45460	.37886
1.200	31.037	.33115	7.12450	11.68279	-.11794	2.20118	-1.38533	5.38777	4.86446	1.39019	.39166
1.199	32.451	.36104	7.81660	12.47099	-.12838	2.18977	-1.46498	5.86753	5.33991	1.35767	.39766
1.199	33.387	.37610	8.19262	12.80079	-.13376	1.91507	-1.42763	6.10027	5.63167	1.34537	.39865
1.199	35.852	.42786	9.29260	13.82832	-.14716	1.77192	-1.55461	6.76911	6.49832	1.30254	.40455
1.199	38.215	.53766	10.48623	14.28611	-.17034	2.80202	-2.09031	7.46205	7.47370	1.25591	.42560
1.199	40.054	.61087	11.40547	14.59988	-.18751	2.50263	-2.23154	7.95679	8.25948	1.20194	.43322
1.197	42.697	.66081	12.67655	14.98433	-.20515	1.99373	-2.27169	8.55264	9.42424	1.12652	.43609
1.199	44.661	.69225	13.61316	15.04221	-.21708	1.52602	-2.26770	8.89708	10.36385	1.11774	.45980
1.200	47.160	.70431	14.88341	14.56944	-.23694	1.66503	-2.35629	9.29648	11.67701	1.12304	.49794
	GRADIENT	.02136	.43787	.36517	-.00650	.02558	-.06578	.26570	.33418	-.01982	.00504

SA-2F (8TPT-655) W/ELE TUNNEL AND THRUST ATT (RPS046) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.600

RUN NO. 107/ 0 RN/L = 6.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	39.424	-.77396	8.45416	10.40344	-.22070	10.61558	-.03999	6.14379	5.83931	.60899	.00000
.600	41.614	-.61485	8.79069	11.54805	-.21784	9.01424	-.88988	6.21732	6.23754	.53449	.00000
.600	43.644	-.47515	9.14936	12.71078	-.21905	7.78787	-1.86692	6.30540	6.64541	.45701	.00000
.600	45.742	-.69024	10.14246	13.64386	-.24124	10.96391	-2.29035	6.82390	7.51200	.35522	.00000
.600	47.748	-1.07325	11.34580	14.51726	-.26258	16.76939	-3.19262	7.38960	8.61542	.32314	.00000
	GRADIENT	-.03181	.34234	.49711	-.00513	.67766	-.37088	.14850	.32771	-.03617	.00000

RUN NO. 196/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.899	39.631	-.40842	9.59487	14.41614	-.18448	5.15691	-1.83343	6.91069	6.69835	.75095	.00000
.900	42.075	-.48694	10.59928	16.18432	-.20424	5.66543	-1.56880	7.39366	7.62750	.70721	.00000
.900	44.133	-.41714	11.45872	17.44124	-.21149	4.90275	-1.43573	7.74623	8.47168	.68651	.00000
.900	46.176	-.42579	12.38770	18.81060	-.22200	5.05596	-1.55082	8.10171	9.39431	.65990	.00000
.899	48.278	-.43764	13.74801	19.42305	-.24483	5.83253	-2.47397	8.78261	10.58845	.49159	.00000
.900	50.306	-.35278	14.29021	20.74436	-.24903	5.10239	-2.55035	8.80988	11.25904	.41206	.00000
.900	52.373	-.31848	14.81611	22.69399	-.26048	4.76892	-2.52352	8.71871	11.98630	.41267	.00000
	GRADIENT	.30852	.43076	.61114	-.00597	-.02232	-.08507	.15841	.42894	-.03050	.00000

RUN NO. 105/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.198	39.609	-.07782	11.30938	12.84945	-.19526	2.08241	-1.74127	7.94179	8.14206	1.20956	.00000
1.199	41.896	-.05353	12.32625	13.73746	-.21006	1.97581	-1.95127	8.41278	9.08103	1.14175	.00000
1.199	43.912	.01290	13.18263	14.41453	-.21926	1.35710	-2.05412	8.76825	9.89965	1.05054	.00000
1.198	45.953	.07551	13.95563	15.47927	-.23097	.63338	-1.95146	9.01649	10.69456	95456	.00000
1.198	48.012	.03274	14.74779	16.46364	-.24617	1.20946	-2.13294	9.22910	11.53495	.85681	.00000
1.199	50.066	.04327	15.56663	17.33239	-.26927	1.00844	-2.00580	9.37659	12.45168	.80302	.00000
1.199	52.129	.07625	16.04494	18.48898	-.28510	.50916	-1.78896	9.30782	13.08725	.68666	.00000
1.199	54.176	.07536	16.37995	19.31800	-.29309	.56632	-1.65734	9.07534	13.65061	.63108	.00000
1.198	56.190	.07579	16.78320	19.55548	-.30068	.58391	-1.89166	8.84402	14.27634	.59548	.00000
1.199	58.196	.07120	17.19584	19.57500	-.30924	.62230	-1.98309	8.59885	14.90148	.54562	.00000
1.198	60.189	.07153	17.54008	19.60698	-.31644	.62296	-1.89478	8.29488	15.46251	.48984	.00000
1.199	62.194	.08157	17.97900	19.80978	-.32423	.52534	-1.91369	7.98494	16.11495	.45430	.00000
1.199	64.121	.09908	18.22583	19.43441	-.32618	.35510	-1.94649	7.53395	16.60239	.46790	.00000
	GRADIENT	.00563	.27499	.30268	-.00570	-.06031	.00112	-.02305	.34401	-.03255	.00000

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS047) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 110/ 0 RN/L = 5.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	59.628	.24952	12.87588	17.11712	-.27486	.93348	-5.98697	6.66997	11.01518	-.18516	.00000
.600	61.626	.28060	13.25582	18.20418	-.27268	1.12074	-6.79869	6.47833	11.56763	-.24905	.00000
.600	63.639	.35924	13.47430	18.54817	-.27671	.40249	-7.24913	6.19505	11.96906	-.28343	.00000
.600	65.647	.47281	13.63595	18.73492	-.28179	-.94381	-7.49006	5.88339	12.30593	-.33303	.00000
.600	67.693	.57626	13.71119	19.20132	-.28022	-2.29391	-7.53791	5.50763	12.56199	-.37512	.00000
.600	69.862	.58311	13.79077	19.11662	-.28191	-2.47655	-7.40762	4.96666	12.86747	-.23287	.00000
.600	71.849	.56808	13.89093	18.34055	-.28345	-2.25747	-7.37549	4.43500	13.16440	-.11330	.00000
.600	73.796	.53781	13.75060	17.35888	-.28127	-2.00128	-7.23992	3.86946	13.19498	-.03399	.00000
.600	75.790	.47523	13.72274	15.83527	-.28938	-1.29925	-7.07939	3.34559	13.30874	.02407	.00000
.600	77.732	.36983	13.73474	13.98877	-.29741	-.02664	-6.89294	2.84033	13.43808	.07992	.00000
.600	79.702	.31193	13.91620	12.32687	-.29662	.68819	-6.81908	2.36529	13.71428	.12453	.00000
.599	81.598	.32977	14.09801	10.91299	-.29742	.35706	-6.75310	1.89102	13.97165	.17077	.00000
.600	83.527	.30271	14.22425	9.55374	-.30414	.65606	-6.68443	1.42764	14.15353	.17694	.00000
	GRADIENT	-.00034	.03989	-.35570	-.00123	.00074	.00113	-.23306	.11947	.02243	.00000

RUN NO. 109/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	64.528	.23330	17.05370	24.34343	-.28318	-.26264	-2.61330	7.30506	15.40992	.03239	.00000
.899	66.391	.22221	17.12052	23.10161	-.28479	-.18693	-2.57075	6.82373	15.70192	.03586	.00000
.900	68.301	.21798	17.24736	20.67450	-.29147	-.15487	-2.55604	6.25394	16.07414	.13218	.00000
.899	70.237	.22648	17.48962	19.65522	-.30799	-.14582	-2.67763	5.75046	16.51814	.17360	.00000
.900	71.204	.21708	17.64874	18.88464	-.31133	-.03998	-2.70176	5.49279	16.77347	.20444	.00000
.900	72.179	.20936	17.79318	18.29842	-.31550	.03402	-2.70654	5.22080	17.01165	.23592	.00000
.899	74.152	.19656	17.89493	17.24602	-.31203	.06913	-2.59953	4.54741	17.31111	.35301	.00000
.899	76.102	.19098	18.12357	15.67864	-.31420	.10922	-2.59115	3.89424	17.70656	.47271	.00000
.900	78.035	.23160	18.17959	14.61077	-.31227	-.37984	-2.45090	3.27756	17.88875	.50239	.00000
.900	79.992	.25292	18.32074	13.64574	-.31622	-.63001	-2.39474	2.69160	18.12883	.49980	.00000
.900	81.943	.25620	18.51030	12.72148	-.31912	-.69604	-2.36742	2.11611	18.40337	.48431	.00000
.899	83.847	.28666	18.62495	11.72521	-.32489	-.80279	-2.38691	1.54487	18.55632	.45389	.00000
	GRADIENT	.00191	.08560	-.64544	-.00194	-.03173	.01486	-.30340	.16880	.02778	.00000

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SA-2 [illegible]PT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS047) (29 OCT 73)

REFERENCE DATA

SREF =	7.0890 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNK =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 108/ 0 RN/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
1.198	59.675	.08048	17.30834	19.64083	-.29280	.51338	-1.87179	8.23298	15.23394	.52549	.00000
1.199	62.149	.09947	17.87091	19.63521	-.30593	.36448	-1.93219	7.91289	16.03118	.49315	.00000
1.199	64.618	.11782	18.18286	19.28971	-.30816	.19876	-1.96044	7.48916	16.57640	.49786	.00000
1.199	66.091	.11167	18.41689	18.80092	-.31558	.25391	-1.94414	6.99563	17.04422	.51246	.00000
1.199	68.113	.12266	18.82966	18.26160	-.32715	.17246	-1.98591	6.50606	17.67861	.55299	.00000
1.199	70.041	.10769	19.62370	17.05123	-.34132	.29917	-1.94664	6.09616	18.66378	.64075	.00000
1.198	72.005	.09275	20.08302	16.06004	-.33841	.35510	-1.81152	5.69901	19.29725	.63630	.00000
1.199	73.958	.09480	20.41218	14.82681	-.33395	.27808	-1.73706	5.03134	19.79254	.63393	.00000
1.198	75.943	.[illegible]773	20.54137	14.40932	-.32816	-.11307	-1.67552	4.42133	20.06844	.58555	.00000
1.198	77.932	.13535	20.71364	13.83754	-.32680	-.21437	-1.65283	3.81153	20.36687	.53093	.00000
1.200	79.888	.13916	21.03981	13.17268	-.33149	-.24946	-1.66969	3.18944	20.80297	.51239	.00000
1.199	81.863	.13839	21.36839	12.45971	-.34162	-.22346	-1.70847	2.55733	21.22006	.47208	.00000
1.198	83.792	.13369	21.60980	11.65771	-.34614	-.17191	-1.72653	1.92730	21.52762	.41183	.00000
	GRADIENT	.00186	.18278	-.36889	-.00173	-.03012	.01343	-.26795	.26797	-.00169	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS048) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8345 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 55/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.599	79.644	.54667	13.59917	12.28911	-.29821	.97098	-6.89737	2.25960	13.41145	.18807	.00000
.600	82.363	.51471	13.69190	10.23099	-.29865	1.25648	-6.72246	1.54354	13.60737	.27365	.00000
.600	84.431	.51053	13.94[illegible]	9.02280	-.29820	1.27035	-6.66841	1.11760	13.90087	.23658	.00000
.600	86.680	.54035	14.18467	7.51065	-.29866	.90801	-6.67935	.62675	14.17215	.19492	.00000
.600	89.057	.56251	14.33634	5.70095	-.29729	.64196	-6.70187	.03664	14.33738	.19926	.00000
.600	90.913	.57444	14.29563	4.29695	-.29782	.46306	-6.69075	-.48795	14.28967	.26032	.00000
.600	92.981	.58578	14.16378	2.71608	-.29602	.43086	-6.79137	-.93449	14.13431	.19822	.00000
.600	94.228	.59672	13.95003	1.52814	-.29324	.36449	-6.86871	-1.19517	13.87968	.16855	.00000
.600	96.302	.57604	13.84463	.08754	-.29833	.91080	-7.11169	-1.55583	13.75698	.03646	.00000
.600	98.402	.56256	13.75179	-1.45564	-.29794	1.25027	-7.26678	-1.91111	13.61871	-.09925	.00000
.600	100.171	.54629	13.65489	-2.69441	-.29919	1.60599	-7.39788	-2.19519	13.47907	-.21960	.00000
.600	103.306	.51782	13.43033	-4.62068	-.29644	2.15591	-7.59987	-2.66465	13.17063	-.43820	.00000
	GRADIENT	.00104	-.01004	-.73002	.00006	.02565	-.03480	-.21262	-.01456	-.02483	.00000

RUN NO. 54/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.899	80.244	.36609	18.31478	13.80665	-.32055	-.06174	-2.74826	2.55284	18.14459	.55859	.00000
.899	82.621	.37812	18.63342	12.40300	-.32431	-.12571	-2.76427	1.85443	18.54887	.54316	.00000
.899	84.670	.39414	18.78375	11.18153	-.32741	-.27480	-2.75907	1.22749	18.75080	.51950	.00000
.899	87.031	.39812	18.94640	9.53343	-.33050	-.27911	-2.77103	.49103	18.94640	.49111	.00000
.899	88.949	.40549	19.05322	8.31124	-.32795	-.36820	-2.75018	-.12136	19.05866	.47106	.00000
.899	90.895	.40858	19.08293	7.10788	-.32820	-.43642	-2.71661	-.77454	19.07316	.47662	.00000
.899	92.685	.40845	19.16254	5.75100	-.33130	-.41266	-2.70237	-1.32424	19.12149	.42694	.00000
.899	94.854	.39148	18.92820	4.12767	-.33015	-.38828	-2.63961	-1.93244	18.83323	.33206	.00000
.899	96.168	.37902	18.78161	3.02960	-.32767	-.30183	-2.62[illegible]	-2.29098	18.64338	.27452	.00000
.900	98.564	.35306	18.53108	.92017	-.32139	-.11513	-2.59256	-2.91015	18.30178	.15242	.00000
.900	99.868	.34482	18.39863	-.19454	-.32370	-.02336	-2.61506	-3.24811	18.10988	.08993	.00000
.900	103.657	.41526	13.02402	-2.37795	-.32761	-.51362	-2.79673	-4.12668	17.55604	-.13511	.00000
	GRADIENT	-.00019	-.01384	-.71054	-.00006	-.00037	.00489	-.29211	-.02708	-.02759	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS048) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 53/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
1.199	79.992	.23610	20.96557	13.14536	-.34152	-.27908	-1.79165	3.13268	20.73670	.51881	.00000
1.199	82.288	.24045	21.31751	12.30030	-.34519	-.28535	-1.81111	2.36459	21.19187	.50048	.00000
1.199	84.202	.23845	21.47871	11.52116	-.35170	-.23550	-1.82657	1.71596	21.41491	.45617	.00000
1.199	86.212	.23994	21.58969	10.72683	-.35345	-.21871	-1.84928	1.02373	21.56938	.40339	.00000
1.198	88.162	.24238	21.64127	9.95944	-.35177	-.24132	-1.85080	.36018	21.64085	.33424	.00000
1.198	89.962	.24198	21.66124	9.20725	-.35294	-.23826	-1.84932	-.24903	21.66141	.26343	.00000
1.198	91.663	.24896	21.67427	8.45914	-.35107	-.29692	-1.85954	-.88726	21.65687	.18257	.00000
1.199	94.026	.25082	21.59405	7.57352	-.35127	-.33539	-1.84675	-1.59969	21.53488	.08378	.00000
1.201	95.918	.24707	21.40279	6.74994	-.34881	-.35038	-1.80764	-2.21[illegible]	21.28773	.00969	.00000
1.200	97.869	.24670	21.20633	5.94269	-.34744	-.37451	-1.79415	-2.81986	21.01818	-.08437	.00000
1.200	99.834	.24644	21.02656	5.20613	-.34304	-.41300	-1.77243	-3.41008	20.74901	-.18391	.00000
1.201	104.030	.25679	20.79376	4.24406	-.35372	-.56919	-1.76770	-4.59705	20.28440	-.45750	.00000
	GRADIENT	.00071	-.01408	-.38823	-.00011	-.01116	.00188	-.32601	-.02513	-.04045	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS049) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 60/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.800	76.322	-.77814	13.74769	15.19684	-.16950	-.76982	-7.14050	2.92321	13.43505	.21677	.00000
.800	78.782	-.80901	13.89488	13.45369	-.17105	-.35003	-7.09901	2.39276	13.69096	.31643	.00000
.800	80.720	-.82953	14.06046	11.96721	-.17484	-.08235	-7.05192	1.89849	13.93672	.37380	.00000
.801	82.630	-.86934	14.25841	10.52261	-.17641	.33226	-7.08028	1.44469	14.19013	.38056	.00000
.800	84.623	-.91209	14.38798	9.20826	-.17535	.69629	-7.07376	.99400	14.35801	.35930	.00000
.800	86.586	-.90062	14.30029	7.91435	-.17713	.51283	-7.17900	.57395	14.29147	.27808	.00000
.801	88.524	-.86544	14.20425	6.23913	-.18245	.06277	-7.13297	.07998	14.28693	.28802	.00000
.800	90.515	-.85523	14.12629	4.77337	-.17977	-.08944	-7.17645	-.46563	14.12250	.35878	.00000
.800	92.442	-.84840	14.04072	3.32541	-.18124	-.28138	-7.24010	-.95491	14.01276	.35687	.00000
.800	94.415	-.84985	13.86168	1.89889	-.18320	-.34222	-7.31071	-1.33897	13.79976	.27270	.00000
.800	96.377	-.84436	13.76168	.54648	-.18578	-.40840	-7.32696	-1.68224	13.65935	.15478	.00000
.801	98.325	-.86484	13.74340	-.80799	-.18621	-.18387	-7.38147	-2.01880	13.59435	.02930	.00000
.801	100.451	-.89613	13.61226	-2.36099	-.18847	.18600	-7.45982	-2.36647	13.40538	-.10450	.00000
	GRADIENT	-.00228	-.01360	-.73707	-.00075	.00067	-.01529	-.22805	-.01078	-.01261	.00000

RUN NO. 59/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
.900	76.654	-.49551	18.30583	16.41190	-.19058	-.21103	-3.03797	3.62680	17.95304	.61344	.00000
.901	77.654	-.46093	18.40854	15.08477	-.18992	-.20930	-2.98654	3.30561	18.12080	.64526	.00000
.900	79.644	-.45724	18.47078	14.03848	-.19142	-.42912	-2.91675	2.69644	18.29122	.67508	.00000
.901	81.582	-.46502	18.71352	13.76475	-.19404	-.37083	-2.90979	2.07306	18.61042	.67042	.00000
.900	83.119	-.44064	18.81327	12.92601	-.19405	-.56710	-2.88330	1.60954	18.75553	.64914	.00000
.900	85.584	-.47731	19.04393	11.32240	-.19449	-.41010	-2.98501	.85344	19.03494	.62136	.00000
.900	87.620	-.47936	19.18173	9.85358	-.19594	-.47130	-3.02885	.20619	19.18972	.59088	.00000
.901	89.382	-.46372	19.20685	8.87601	-.20117	-.59188	-3.01188	-.36777	19.21183	.57148	.00000
.900	89.604	-.45330	19.14455	8.58838	-.19797	-.73819	-3.04280	-.43844	19.14803	.57071	.00000
.900	91.406	-.46104	19.18011	7.56848	-.20207	-.63878	-3.02521	-1.03954	19.16037	.56915	.00000
.900	93.245	-.45871	19.18938	6.24953	-.20135	-.63799	-3.01473	-1.61064	19.12868	.52521	.00000
.900	95.256	-.44020	18.98386	4.72583	-.20508	-.86727	-3.05653	-2.19461	18.86213	.45757	.00000
.900	97.178	-.42474	18.84357	3.30788	-.20807	-1.04372	-3.10673	-2.72414	18.64934	.37236	.00000
.900	99.154	-.40146	18.63682	1.67851	-.20698	-1.31616	-3.13372	-3.22826	18.35713	.27320	.00000
.901	100.107	-.39052	18.53387	.97265	-.21022	-1.36052	-3.14793	-3.47425	18.20682	.22533	.00000
	GRADIENT	.00292	.01577	-.65866	-.00085	-.04182	-.00748	-.30654	.01610	-.01627	.00000

ORIGINAL PAGE IS
OF POOR QUALITY

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS050) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 81/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	96.335	-.79360	14.03591	.80511	-.18577	-.33576	-7.02216	-1.70989	13.93231	.16210	.00000
.600	98.296	-.82408	13.80983	-.72509	-.18531	-.11461	-7.09540	-2.03329	13.65938	.04119	.00000
.600	100.246	-.85226	13.70197	-2.10558	-.18830	.07178	-7.16631	-2.34578	13.49999	-.09301	.00000
.599	102.253	-.88531	13.56748	-3.37366	-.18701	.28145	-7.28691	-2.63798	13.31084	-.24701	.00000
.600	104.279	-.94362	13.37130	-4.67413	-.19354	.85953	-7.38150	-2.91298	13.05618	-.39727	.00000
.599	106.171	-.99456	13.21815	-5.77984	-.19186	1.22471	-7.56170	-3.15953	12.84647	-.54322	.00000
.600	108.144	-1.03084	13.04821	-6.79590	-.19234	1.26229	-7.81025	-3.44770	12.60115	-.64789	.00000
.600	110.121	-1.05372	12.98642	-7.64323	-.19931	1.24160	-8.01565	-3.73508	12.46213	-.78000	.00000
.600	112.074	-1.01219	12.92994	-8.61410	-.20566	.82671	-7.93397	-4.02070	12.32217	-.90475	.00000
.600	114.029	-.98191	12.81863	-9.24822	-.20967	.57403	-7.85161	-4.26233	12.13460	-1.04823	.00000
.600	116.030	-.98296	12.63928	-9.43322	-.20439	1.13105	-7.53881	-4.47609	11.88005	-1.19150	.00000
.600	118.050	-.99643	12.61352	-9.80905	-.18505	2.18680	-7.03045	-4.77116	11.75013	-1.31475	.00000
.599	120.051	-1.01027	12.31311	-9.87586	-.17119	2.52398	-6.99404	-4.92889	11.37372	-1.42923	.00000
	GRADIENT	-.00882	-.06665	-.46258	-.00021	.09410	-.01170	-.13697	-.10238	-.06789	.00000

RUN NO. 80/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	95.999	-.44500	18.77416	3.86050	-.19792	-.47449	-2.91314	-2.43269	18.62190	.47333	.00000
.900	98.013	-.44448	18.60944	2.46497	-.20192	-.47674	-2.88937	-2.96350	18.37574	.37300	.00000
.900	99.874	-.45525	18.45733	1.01691	-.20552	-.48149	-2.93656	-3.43598	18.13678	.27489	.00000
.900	101.813	-.45704	18.30312	-.49226	-.20918	-.52586	-2.95980	-3.91012	17.88136	.16664	.00000
.900	103.775	-.45158	18.13944	-1.74281	-.21269	-.70716	-3.03114	-4.35638	17.60859	.03821	.00000
.900	105.821	-.44133	17.84371	-3.03635	-.21427	-.89132	-3.07765	-4.76276	17.19667	-.10620	.00000
.900	107.689	-.44141	17.58058	-4.24720	-.22307	-1.00369	-3.14144	-5.09933	16.82672	-.25463	.00000
.900	109.634	-.43895	17.31177	-5.54748	-.22838	-1.10195	-3.18625	-5.41625	16.44817	-.42537	.00000
.900	111.674	-.45448	16.99539	-6.78881	-.22480	-.90967	-3.15697	-5.71676	16.01640	-.60258	.00000
.900	113.577	-.48113	16.71171	-7.25767	-.21928	-.60614	-3.12444	-5.96789	15.62935	-.78179	.00000
.500	115.615	-.50735	16.24395	-7.85511	-.21316	-.28161	-3.08152	-6.13473	15.07317	-.98454	.00000
.900	117.577	-.50347	15.75141	-8.36801	-.19952	-.17413	-3.00368	-6.25649	14.50268	-1.16817	.00000
.900	119.758	-.49831	15.44275	-9.14104	-.19445	-.08684	-2.93574	-6.45214	14.09963	-1.39683	.00000
	GRADIENT	-.00252	-.14177	-.55914	-.00017	.01080	-.00588	-.16981	-.19400	-.07937	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS050) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 82/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	96.514	-.17610	21.37408	6.47401	-.20891	-.46071	-2.09352	-2.54711	21.22213	.12303	.00000
1.200	98.584	-.17017	21.07391	5.55271	-.20996	-.52715	-2.08272	-3.16996	20.83415	.02459	.00000
1.201	100.475	-.16606	20.86336	4.94369	-.20867	-.55687	-2.06026	-3.72080	20.52903	-.07364	.00000
1.200	102.476	-.16438	20.60678	4.28508	-.21164	-.56289	-2.04210	-4.26105	20.16237	-.19509	.00000
1.200	104.513	-.16391	20.28682	3.52077	-.21188	-.59801	-2.05269	-4.78405	19.71709	-.30966	.00000
1.199	106.436	-.16083	20.04654	2.94295	-.21515	-.63909	-2.06766	-5.25552	19.35024	-.43432	.00000
1.199	108.455	-.14710	20.02769	2.87624	-.22499	-.81785	-2.09818	-5.77436	19.18647	-.59617	.00000
1.200	110.402	-.13356	19.56342	1.79830	-.22905	-.99570	-2.12994	-6.13785	18.58989	-.72779	.00000
1.200	112.373	-.12491	19.00543	.72086	-.23289	-1.08629	-2.13274	-6.43174	17.90508	-.86768	.00000
1.199	114.408	-.12193	18.29718	-.58256	-.23371	-1.21802	-2.22590	-6.63895	17.08029	-1.01252	.00000
1.199	116.320	-.13169	17.64386	-1.91198	-.23146	-1.13548	-2.24509	-6.78185	16.32977	-1.16153	.00000
1.199	118.286	-.13423	17.13297	-2.82951	-.22575	-1.07664	-2.22247	-6.93659	15.72339	-1.34263	.00000
1.199	120.426	-.13730	16.66542	-3.38612	-.21647	-.97245	-2.16600	-7.12059	15.14510	-1.52989	.00000
	GRADIENT	.00217	-.19625	-.41523	-.00093	-.03165	-.00727	-.19347	-.25620	-.06920	.00000

ORIGINAL PAGE IS
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SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS051) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 85/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	116.239	-.71379	12.64708	-9.81410	-.21329	1.20065	-7.80747	-4.49445	11.88464	-1.22316	.00000
.599	118.287	-.71362	12.68120	-9.91744	-.19699	2.13918	-6.90643	-4.81557	11.80938	-1.35588	.00000
.599	120.287	-.63121	12.40620	-10.42162	-.18196	1.98207	-5.97305	-4.98891	11.45343	-1.46846	.00000
.599	122.276	-.60551	12.06811	-10.68088	-.18342	1.99644	-5.59869	-5.14344	11.02505	-1.53869	.00000
.600	124.264	-.54407	12.06053	-11.39895	-.18765	2.11421	-4.71053	-5.39857	10.91546	-1.68382	.00000
.599	126.285	-.51303	11.74556	-11.31128	-.18665	2.02693	-4.41162	-5.49601	10.53616	-1.80516	.00000
.599	128.283	-.55131	11.48657	-11.21146	-.17598	2.51306	-4.41529	-5.61187	10.20404	-1.91680	.00000
.600	130.299	-.64423	11.29742	-11.14154	-.15789	3.38963	-4.73922	-5.75953	9.92854	-2.02887	.00000
.601	132.356	-.66739	10.96911	-10.15369	-.15936	3.68109	-4.74726	-5.82514	9.53286	-2.11808	.00000
.599	134.388	-.61746	10.59566	-8.50257	-.16250	2.94028	-4.84903	-5.84564	9.10495	-2.19171	.00000
.599	136.451	-.51761	9.88221	-6.97110	-.14923	1.53795	-4.91499	-5.60471	8.44734	-2.26104	.00000
.599	138.501	-.47570	8.69751	-6.16370	-.13391	.82494	-5.07557	-4.98651	7.48974	-2.30541	.00000
.599	140.707	-.34374	7.83408	-5.55099	-.12265	-.28156	-4.48078	-4.57441	6.78031	-2.35052	.00000
	GRADIENT	.00939	-.17921	.18381	.00309	-.02786	.09489	-.01854	-.19920	-.04799	.00000

RUN NO. 84/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	116.118	-.34445	16.39787	-7.88046	-.21649	-.17081	-3.08830	-6.32544	15.16142	-.99485	.00000
.900	118.031	-.34647	15.90270	-8.34269	-.20492	-.07358	-2.99476	-6.43881	14.58806	-1.17217	.00000
.899	120.001	-.35084	15.45444	-9.09147	-.19722	.01471	-2.93622	-6.53469	14.07246	-1.37725	.00000
.900	121.961	-.34766	15.20759	-9.87547	-.19181	.00639	-2.89564	-6.72813	13.72699	-1.55798	.00000
.900	123.987	-.33965	14.63857	-10.33669	-.18739	-.01671	-2.83968	-6.75412	13.10112	-1.72331	.00000
.900	125.960	-.34187	14.10135	-10.82006	-.17733	.04070	-2.79677	-6.83839	12.46031	-1.78180	.00000
.899	128.049	-.34280	13.44223	-10.85010	-.17307	.06835	-2.77647	-6.77261	11.76916	-1.92039	.00000
.900	130.042	-.33227	12.87338	-10.70051	-.16312	.01940	-2.72874	-6.72001	11.16819	-2.04033	.00000
.901	132.054	-.32292	12.28708	-10.34222	-.15527	.01979	-2.73012	-6.61729	10.57841	-2.17231	.00000
.900	134.060	-.33539	11.69154	-9.75532	-.14916	.00639	-2.77347	-6.47582	10.00290	-2.30262	.00000
.900	136.136	-.36151	11.15252	-9.11249	-.14417	.13117	-2.88500	-6.36770	9.46891	-2.41439	.00000
.899	138.201	-.34979	10.36304	-8.41585	-.14022	-.02379	-2.94219	-6.07477	8.75352	-2.47677	.00000
.899	140.394	-.35804	9.53365	-7.58553	-.13085	-.01472	-3.02172	-5.74080	8.01669	-2.51666	.00000
	GRADIENT	-.00023	-.27930	.00633	.00342	.00457	.00399	.01981	-.29383	-.06300	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS051) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 83/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	116.375	-.14284	17.71837	-1.84172	-.22407	-.97497	-2.23928	-6.85487	16.37798	-1.13437	.00000
1.200	118.314	-.15243	17.15479	-2.94913	-.21892	-.88434	-2.23802	-6.98732	15.72158	-1.30529	.00000
1.200	120.327	-.15696	16.67643	-3.64490	-.21380	-.76703	-2.16444	-7.12557	15.15190	-1.50023	.00000
1.199	122.277	-.14546	16.23808	-4.18184	-.20749	-.88040	-2.15253	-7.25555	14.62316	-1.67467	.00000
1.200	124.270	-.14124	15.86656	-4.58098	-.20337	-.87013	-2.09638	-7.49013	14.09610	-1.74766	.00000
1.198	126.276	-.12896	15.39573	-4.99286	-.19409	-.94215	-2.04410	-7.59417	13.52366	-1.87944	.00000
1.199	128.287	-.12468	14.84354	-5.31878	-.18919	-.92430	-1.98545	-7.61020	12.90360	-2.02170	.00000
1.200	130.271	-.12223	14.22453	-5.60494	-.17994	-.88969	-1.93071	-7.54884	12.24769	-2.15726	.00000
1.199	132.278	-.11204	13.51276	-5.91509	-.17261	-.93420	-1.87816	-7.41545	11.52085	-2.26371	.00000
1.199	134.299	-.10525	12.89789	-5.77297	-.16658	-.94648	-1.82697	-7.29147	10.90605	-2.39829	.00000
1.198	136.321	-.10720	12.18460	-5.71003	-.15574	-.87787	-1.78808	-7.08130	10.22746	-2.50623	.00000
1.200	138.318	-.11538	11.43107	-5.50892	-.14490	-.72423	-1.72973	-6.79753	9.55549	-2.61617	.00000
1.199	140.529	-.12490	10.54746	-5.33007	-.13474	-.57008	-1.68839	-6.43274	8.78058	-2.68884	.00000
	GRADIENT	.00185	-.28928	-.13652	.00367	.00696	.02433	.01058	-.31156	-.06403	.00000

ORIGINAL PAGE IS
OF POOR QUALITY

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS052) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 160/ 0 RN/L = 5.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	141.217	-1.31255	8.33567	-3.20674	-.12860	-.12044	-4.29282	-5.00947	7.07352	-2.37613	.20952
.600	143.359	-1.16086	7.63745	-2.95161	-.12099	-1.38786	-4.04802	-4.68583	6.49730	-2.41686	.17517
.600	145.485	-.99459	6.85105	-2.69684	-.11082	-3.13811	-3.85923	-4.25143	5.90864	-2.45964	.13654
.600	147.708	-.86081	6.06897	-2.49450	-.10489	-3.98545	-3.59649	-3.80778	5.33496	-2.47561	.09696
.600	149.836	-.73369	5.37623	-2.20593	-.09765	-4.59312	-3.30788	-3.41803	4.81822	-2.44832	.07689
.600	152.004	-.56719	4.73039	-1.99497	-.09180	-5.00138	-2.86062	-3.07091	4.30083	-2.35605	.06743
.600	154.095	-.42860	4.20608	-2.04991	-.08385	-4.58659	-2.33057	-2.81351	3.83465	-2.22021	.05348
.600	156.160	-.28148	3.64583	-2.19759	-.07648	-3.68386	-1.67278	-2.50150	3.35927	-2.06158	.02890
.599	158.274	-.17861	3.13047	-2.17949	-.06579	-2.81266	-1.16344	-2.19227	2.95521	-1.93379	.00267
.600	160.567	-.10599	2.58059	-2.06673	-.05739	-2.04777	-.77071	-1.83659	2.55076	-1.79442	-.02687
	GRADIENT	.06442	-.29900	.05593	.00359	-.09197	.18968	.16448	-.23571	.03239	-.01137

RUN NO. 161/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.899	132.845	-1.29215	12.60426	-9.43702	-.15681	.24940	-2.93162	-6.97639	10.72045	-2.17504	.32527
.900	135.087	-1.36336	11.96104	-8.64715	-.14859	.25447	-3.05744	-6.83408	10.08635	-2.31792	.28511
.900	137.312	-1.37530	11.14271	-8.01210	-.14685	.00105	-3.10712	-6.54854	9.33496	-2.42178	.24299
.899	139.597	-1.40714	10.25678	-7.21840	-.13566	-.03280	-3.16090	-6.20039	8.53979	-2.48421	.21767
.901	141.976	-1.46139	9.49430	-6.34695	-.12301	.29867	-3.18638	-5.91482	7.84894	-2.53955	.20416
.900	144.313	-1.45906	8.50290	-5.37934	-.11373	.71043	-3.08210	-5.40180	7.05483	-2.57890	.18247
.901	146.531	-1.31845	7.28191	-4.71671	-.10634	-.19785	-2.94645	-4.64634	6.17601	-2.58949	.12771
.900	149.067	-1.13255	6.21475	-3.63564	-.09896	-1.34462	-2.77177	-3.99168	5.42919	-2.60509	.11411
	GRADIENT	.00552	-.39582	.35570	.00375	-.05704	.00912	.18352	-.33025	-.02510	-.01265

RUN NO. 159/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	133.287	-.65500	13.96500	-3.52585	-.18420	-.75293	-1.84688	-7.83083	11.83600	-2.41505	.29253
1.199	135.467	-.64478	13.05406	-3.80992	-.17049	-.71004	-1.79343	-7.53154	10.95822	-2.52942	.27491
1.199	137.681	-.62493	12.16149	-4.04950	-.15885	-.68209	-1.72252	-7.20648	10.14910	-2.65252	.27188
1.200	139.886	-.61115	11.28197	-4.19037	-.14756	-.60304	-1.65881	-6.85650	9.37181	-2.74948	.26300
1.200	142.157	-.59707	10.30994	-4.46977	-.13464	-.45239	-1.58269	-6.42119	8.53978	-2.80443	.24751
1.200	144.322	-.58579	9.44401	-4.37853	-.12491	-.42432	-1.54144	-6.00509	7.82885	-2.85702	.23589
1.200	146.607	-.56912	8.54924	-4.25496	-.11305	-.58785	-1.52982	-5.53811	7.13221	-2.90680	.22480
1.200	148.793	-.53030	7.72957	-3.96136	-.10520	-1.10118	-1.53763	-5.09501	6.50757	-2.92600	.22199
1.200	151.065	-.32759	6.73767	-3.96812	-.09419	-2.19042	-1.26236	-4.50905	5.76967	-2.86782	.21526
1.200	153.306	-.18695	5.77977	-4.01375	-.09128	-2.67532	-1.01617	-3.90083	5.10807	-2 81126	.20137
1.199	155.517	-.11081	4.89925	-3.89457	-.07815	-2.47784	-.78779	-3.30852	4.55619	-2.77535	.19532
1.199	157.757	-.07464	4.10461	-3.58743	-.06457	-1.86992	-.57309	-2.77177	4.06589	-2.71410	.17032
1.199	160.127	-.06521	3.35414	-3.09118	-.05551	-1.33372	-.43960	-2.25484	3.62680	-2.64617	.13577
	GRADIENT	.02540	-.40093	.01565	.00466	-.06600	.05138	.21280	-.30927	-.00777	-.00501

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS053) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 164/ 0 RN/L = 5.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	158.174	-.29391	3.75263	-2.10827	-.07395	-3.56608	-1.71203	-2.59734	3.40789	-2.06825	.03391
.600	158.307	-.17953	3.17296	-2.08968	-.06645	-2.68683	-1.14575	-2.23632	2.96241	-1.92597	.00817
.600	160.362	-.11353	2.69854	-2.00743	-.06015	-2.01469	-.78760	-1.92941	2.62250	-1.82155	-.01627
.599	162.530	-.05980	2.16611	-1.90386	-.05002	-1.43567	-.49148	-1.54944	2.29222	-1.72133	-.03951
.600	164.600	-.01563	1.70049	-1.65693	-.04178	-1.00681	-.25892	-1.20187	2.04011	-1.64769	-.05912
.600	166.696	.00210	1.26812	-1.35589	-.03185	-.64205	-.12614	-.86841	1.83827	-1.58910	-.07402
.600	168.779	.00429	.89544	-1.11543	-.02715	-.37650	-.06415	-.58338	1.66093	-1.51565	-.08251
.600	170.838	.00225	.57854	-.91335	-.01908	-.21602	-.03748	-.34463	1.49677	-1.42280	-.09044
.600	172.890	.00029	.34233	-.78113	-.01667	-.07419	-.01442	-.17678	1.34846	-1.31621	-.09704
.601	174.956	-.00085	.19321	-.61835	-.00501	.00580	-.00152	-.08494	1.23505	-1.22280	-.10081
.599	177.008	-.00084	.07443	-.18044	-.01253	.00817	-.00103	-.00537	1.32316	-1.32107	-.10779
.600	178.965	-.00096	.01270	-.05353	-.00673	.02649	.00236	.01175	1.35343	-1.35342	-.11026
.600	181.321	.00155	-.04374	.06171	-.00140	.02500	.01025	.01268	1.34713	-1.34647	-.11143
	GRADIENT	.00881	-.15431	.09646	.00297	.13175	.05629	.10981	-.08064	.03044	-.00557

RUN NO. 163/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.899	155.453	-.64867	4.12149	-1.82457	-.07389	-2.54817	-2.00471	-2.75693	3.88440	-2.38799	.11668
.899	157.952	-.42382	3.40443	-1.57783	-.06524	-1.91032	-1.35130	-2.28398	3.42977	-2.32158	.11012
.900	160.098	-.29769	2.88590	-1.40305	-.05774	-1.54212	-.98502	-1.94529	3.10448	-2.25688	.10033
.900	162.241	-.20509	2.42517	-1.20383	-.04598	-1.07173	-.67781	-1.64496	2.81492	-2.17904	.10400
.900	164.387	-.12121	1.99220	-.97309	-.04070	-.67426	-.40773	-1.35668	2.54732	-2.08820	.10109
.900	166.491	-.06101	1.59604	-.77777	-.03573	-.31887	-.20058	-1.09419	2.27798	-1.95936	.08767
.900	168.665	-.00444	1.14290	-.21092	-.02760	-.11107	-.03278	-.72638	2.19124	-2.00573	.07422
.900	170.762	-.00221	.79301	.07642	-.02232	.03913	.00323	-.47876	1.99617	-1.89342	.05987
.900	172.872	-.00667	.52092	.29423	-.01585	.10203	.00202	-.29815	1.81396	-1.76294	.05049
.900	174.916	-.00544	.34960	.38267	-.01037	.08660	.00591	-.20388	1.65337	-1.62680	.01912
.900	176.989	-.00315	.19179	.35431	-.00769	.04757	.00287	-.11220	1.51802	-1.51003	-.02657
.900	179.016	.00587	.05405	.33599	-.00816	-.03081	.00670	-.02909	1.45386	-1.45314	-.05568
.900	181.309	.00525	-.07230	-.32842	-.00142	-.02942	.00569	.03904	1.45603	-1.45476	-.05329
	GRADIENT	.02117	-.16220	.08722	.00282	.09420	.06734	.10985	-.09327	.03944	-.00704

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS053) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	8.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 162/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	155.230	-.13569	4.99451	-4.32654	-.07916	-2.25588	-.81380	-3.37779	4.60049	-2.76203	.16611
1.200	157.779	-.08355	4.10386	-3.69151	-.07095	-1.59247	-.54094	-2.77956	4.04768	-2.69588	.13427
1.200	162.175	-.08916	2.75755	-2.69640	-.04707	-.96878	-.42291	-1.80917	3.38182	-2.66565	.11088
1.200	164.323	-.14884	2.15821	-2.21038	-.04095	-.98906	-.57427	-1.36352	3.12858	-2.64374	.10449
1.200	166.494	-.10840	1.66807	-1.87682	-.02752	-.48866	-.36941	-1.01815	2.90347	-2.58540	.09734
1.200	168.583	-.05491	1.24592	-1.65657	-.02051	-.15346	-.16742	-.72238	2.71702	-2.52026	.09799
1.200	170.686	-.02012	.89079	-1.41246	-.01502	.01598	-.04637	-.48496	2.54699	-2.43492	.08730
1.200	172.783	-.00909	.61405	-1.10027	-.01575	.10542	-.00063	-.31666	2.38723	-2.32854	.06627
1.199	174.882	-.00780	.37810	-.75804	-.00926	.09618	.00058	-.17585	2.27498	-2.25022	.03310
1.199	176.997	-.00852	.10911	-.09808	-.00565	.22865	.02604	-.07173	2.13627	-2.13468	.03282
1.199	181.190	-.00736	-.06912	.22214	.00074	.17145	.01698	.02437	2.15486	-2.15389	.04063
	GRADIENT	.00546	-.19207	.17096	.00307	.09266	.03300	.12994	-.09208	.02633	-.00493

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS054) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.6340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 134/ 0 RN/L = 5.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	-1.332	-.00613	-.11378	-.05302	.00451	.03495	.01399	-.09458	.82713	.82471	.25421
.600	.952	-.00917	.06207	.03116	.00331	.07074	.01649	.04823	.83330	.83238	.25566
.600	2.974	-.01105	.20707	.16545	-.00127	.09181	.01824	.16317	.85039	.84078	.25674
.600	4.993	-.01346	.38019	.36858	-.00385	.09040	.02688	.30357	.89355	.86374	.26466
.599	7.057	-.00926	.52966	.56211	-.00915	.03060	.02558	.41640	.94745	.88911	.27727
.600	9.101	-.01129	.72497	.77460	-.01537	.00879	.03749	.57156	1.01535	.91215	.29359
.600	10.094	-.01799	.82273	.90101	-.02151	-.02149	.06773	.64771	1.05579	.92593	.30069
.599	11.138	-.01915	.93363	1.01628	-.02560	-.03806	.07564	.73582	1.09575	.93296	.30842
.600	13.191	-.04305	1.15771	1.33358	-.03315	-.07495	.16786	.91216	1.18149	.94215	.32026
.600	15.254	-.08252	1.42015	1.68610	-.04548	-.12207	.31711	1.12360	1.27765	.93704	.33023
.600	17.308	-.14032	1.69106	2.06073	-.06322	-.13787	.52547	1.33891	1.38747	.92632	.33925
.600	19.375	-.21881	2.03016	2.47155	-.07648	-.01195	.77854	1.61363	1.53102	.90899	.35335
.599	21.486	-.30623	2.37786	2.93194	-.09454	.34120	1.01788	1.88852	1.69434	.88490	.37506
.600	23.611	-.43968	2.79464	3.41340	-.11374	1.05511	1.34525	2.21293	1.91489	.86826	.39822
	GRADIENT	-.00114	.07745	.06622	-.00140	.00902	.00191	.06234	.01019	.00593	.00153

RUN NO. 133/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	-1.163	.00725	-.09858	.03065	.00129	-.04460	-.00765	-.07682	1.07246	1.07068	.25885
.899	.947	.00075	.09176	.06108	.00095	.02050	-.00645	.07404	1.07250	1.07113	.26076
.900	3.011	-.00959	.28552	.12562	-.00261	.13022	-.00621	.22767	1.10716	1.09367	.26393
.900	5.106	-.02547	.46966	.23535	-.00679	.15025	.02734	.36790	1.15986	1.12251	.27460
.900	7.127	-.05266	.67794	.35821	-.01232	.11231	.10096	.52850	1.23742	1.16229	.29101
.899	9.203	-.09279	.89858	.50453	-.01991	.09150	.20173	.69643	1.32009	1.19172	.30739
.900	10.242	-.12790	1.02616	.61143	-.02459	.09809	.28421	.79446	1.37429	1.21112	.31827
.899	11.269	-.15674	1.14275	.72550	-.02888	.09837	.35367	.88310	1.41579	1.21592	.32565
.899	13.382	-.23316	1.43081	1.03013	-.04334	.20088	.51491	1.10884	1.52117	1.22323	.34198
.900	15.465	-.31087	1.72323	1.41852	-.05422	.34129	.67134	1.33751	1.62834	1.21280	.35536
.900	17.589	-.37262	2.05207	1.91250	-.07069	.58366	.76947	1.59728	1.75212	1.18755	.36682
.900	19.704	-.40378	2.39345	2.50512	-.08570	.82337	.79626	1.86414	1.89364	1.15424	.37528
.899	21.880	-.42754	2.78049	3.24994	-.10163	1.03490	.81366	2.16624	2.06804	1.11277	.38488
.900	24.088	-.46266	3.23405	4.18660	-.12260	1.32819	.84343	2.51505	2.29918	1.07359	.40040
	GRADIENT	-.00403	.09202	.02272	-.00093	.04184	.00035	.07294	.00828	.00549	.00122

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SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS054) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 132/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	-1.194	-.00515	-.09773	-.02828	.00108	.01489	.01075	-.06476	1.58285	1.58115	.29772
1.200	.947	-.00761	.11383	-.16163	.00138	.02184	.01577	.08782	1.57473	1.57307	.29583
1.200	3.002	-.01161	.27324	-.00390	-.00162	-.04231	.04092	.18991	1.59594	1.58380	.29329
1.200	5.043	-.01093	.40129	.37524	-.00473	-.04001	.03846	.25764	1.64552	1.61650	.30029
1.199	7.104	-.00892	.57052	.75873	-.00958	-.01867	.02819	.35982	1.72609	1.66834	.31001
1.199	9.180	-.00669	.79181	1.20971	-.01545	-.05673	.03076	.50720	1.82467	1.72039	.33135
1.199	10.199	-.01126	.90046	1.44982	-.02350	-.02366	.03557	.57906	1.86685	1.73482	.34106
1.199	11.251	-.01337	1.02704	1.68041	-.02533	-.02690	.04199	.66652	1.91352	1.74671	.34638
1.199	13.369	-.02828	1.29535	2.32260	-.03595	.04224	.06659	.85722	1.99536	1.74309	.35414
1.199	15.496	-.05679	1.61534	3.09900	-.04854	.08280	.13464	1.09542	2.09506	1.72624	.35851
1.199	17.638	-.08270	2.04133	4.05778	-.06400	.26531	.16449	1.43408	2.22658	1.68738	.36281
1.199	19.824	-.16180	2.55231	5.09290	-.08128	.30610	.37240	1.84324	2.41293	1.64483	.36757
1.199	21.994	-.21993	3.12314	6.30909	-.10050	.34222	.52748	2.29193	2.66486	1.61259	.37850
1.199	24.257	-.21537	3.75548	7.67928	-.11687	.42579	.50153	2.77421	2.98471	1.58149	.38874
	GRADIENT	-.00154	.08848	.00531	-.00064	-.01351	.00716	.06077	.00307	.00060	-.00105

SA-2F(8TPT-655;SRB W/ELE TUNNEL AND THRUST ATT (RPS055) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 131/ 0 RN/L = 5.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	19.339	-.21329	1.97634	2.43203	-.07170	-.19460	.80177	1.57042	1.49332	.88899	.33815
.600	21.526	-.29707	2.33278	2.91509	-.09097	.14471	1.01634	1.85191	1.66257	.86708	.35676
.600	23.470	-.41725	2.68286	3.34541	-.11167	.77701	1.29100	2.12221	1.84859	.85046	.37814
.600	24.753	-.51238	2.95609	3.67402	-.12421	1.51950	1.45694	2.33574	1.99891	.83725	.39325
.600	27.606	-.70812	3.60794	4.27392	-.15540	3.37336	1.71872	2.81841	2.39619	.81728	.42404
.600	30.090	-.80838	4.17736	4.94869	-.19158	4.84883	1.73639	3.23058	2.75784	.76940	.43738
.600	30.739	-.81515	4.32716	5.16408	-.19604	5.04459	1.71139	3.33679	2.85482	.74823	.43997
.600	31.988	-.82601	4.57097	5.51880	-.21174	5.32541	1.69070	3.49928	3.02604	.71285	.44251
.600	34.031	-.81531	4.98048	6.14918	-.22896	5.87764	1.53320	3.76031	3.33103	.65610	.44455
.599	36.929	-.58987	5.42338	7.27011	-.25107	5.11641	.93057	3.99054	3.71726	.57391	.45966
.600	38.203	-.44196	5.58410	7.75314	-.25470	4.21524	.61251	4.05709	3.87412	.53532	.46762
	GRADIENT	-.02086	.20089	.27752	-.01035	.32477	-.00000	.14010	.13184	-.01861	.00674

RUN NO. 130/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	19.635	-.38444	2.35188	2.45038	-.08099	.61758	.79648	1.84035	1.84013	1.11471	.35636
.899	21.719	-.41522	2.72109	3.17153	-.09987	.87132	.80858	2.12936	2.00753	1.07704	.36565
.900	24.104	-.44937	3.17589	4.18284	-.11983	1.21487	.80834	2.47604	2.24231	1.03562	.37980
.899	26.161	-.38546	3.53951	5.16006	-.13327	1.06944	.63705	2.73709	2.45592	.99754	.39423
.899	28.170	-.23436	3.91814	6.39273	-.15275	.86122	.36814	2.99921	2.69903	.96344	.40851
.900	30.547	-.15366	4.56364	7.91249	-.17446	.85016	.17672	3.47014	3.09912	.90533	.42554
.900	31.935	-.26819	4.96378	8.86603	-.19473	1.39653	.32835	3.75048	3.36696	.87373	.43487
.900	32.957	-.36562	5.25832	9.44722	-.20681	1.85066	.46008	3.94472	3.58152	.85919	.44321
.899	35.071	-.52905	5.98461	10.95865	-.23557	2.68697	.65400	4.43180	4.10282	.81144	.45782
.900	38.147	-.40819	7.20099	13.41851	-.26367	3.27994	.24921	5.21322	5.02065	.72825	.47341
	GRADIENT	.00038	.25201	.59187	-.00993	.12332	-.02899	.17661	.16345	-.02052	.00663

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS055) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 129/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.200	19.746	-.14986	2.49928	5.05912	-.08054	.05899	.39553	1.82230	2.32094	1.56880	.33247
1.200	21.785	-.20836	2.99646	6.15973	-.09658	.09378	.54410	2.20584	2.55481	1.55370	.35371
1.200	24.214	-.20299	3.66414	7.61034	-.12063	.22617	.49693	2.70939	2.90903	1.54185	.37377
1.200	26.340	-.21780	4.36130	8.72623	-.14068	.55652	.46079	3.24275	3.27979	1.50049	.38331
1.200	28.577	-.27025	5.15382	9.83719	-.15985	.84499	.53583	3.82905	3.74470	1.45687	.40670
1.200	30.886	-.35391	6.07904	10.96606	-.18338	1.20514	.67953	4.48453	4.34504	1.42677	.43180
1.199	32.152	-.37118	6.66362	11.51542	-.20040	1.32367	.70043	4.89194	4.73895	1.40885	.44434
1.199	33.720	-.36201	7.24176	12.27229	-.21404	.95031	.76115	5.25379	5.17329	1.38641	.44640
1.199	35.436	-.32719	7.91869	13.10360	-.22946	.26823	.82260	5.68231	5.67264	1.32733	.44330
1.199	37.685	-.40430	8.97582	13.52614	-.25505	1.07059	.85515	6.30951	6.51440	1.29830	.46484
1.199	40.013	-.43635	10.05523	14.01470	-.27399	.63517	1.04784	6.90375	7.41517	1.24050	.48140
1.199	42.634	-.47104	11.40685	13.99634	-.29907	.07707	1.28042	7.60021	8.58601	1.16900	.49698
1.199	44.644	-.48329	12.62102	13.31704	-.31587	-1.47812	1.67649	8.21414	9.64390	1.08945	.49711
1.199	46.899	-.45837	13.55120	13.83046	-.33107	-1.74810	1.68246	8.49183	10.61269	1.05125	.48879
	GRADIENT	-.01248	.41514	.33490	-.00952	-.04828	.04611	.25747	.30736	-.01960	.00618

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS056) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 58/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	79.550	.00716	13.71089	12.02575	-.60329	.93239	-.84041	2.28800	13.52015	.20220	.00000
.600	81.825	.00182	13.92499	12.01363	-.60746	.95982	-.80303	1.62009	13.80648	.16160	.00000
.600	83.811	.00456	14.08315	12.04559	-.60756	.94958	-.82490	1.41877	14.01186	.10019	.00000
.600	85.803	-.00158	14.16477	12.02421	-.60728	.91064	-.72534	1.00326	14.12923	.03356	.00000
.600	87.835	.00045	14.12122	11.77633	-.60898	.80291	-.65981	.55940	14.11016	-.02569	.00000
.600	89.894	.00036	13.83894	10.66881	-.61722	.72395	-.59446	.02997	13.83891	-.09428	.00000
.600	92.016	-.00545	13.68601	9.56965	-.61894	.80710	-.59845	-.49191	13.67717	.01037	.00000
.600	93.770	-.01675	13.57847	8.48207	-.61981	.96966	-.60658	-.82095	13.55383	-.07211	.00000
.600	95.624	-.02114	13.34044	7.15178	-.62652	1.03930	-.61464	-1.14381	13.29233	-.16432	.00000
.600	97.590	.04417	12.88973	5.14840	-.61252	-.09902	-.40882	-1.45057	12.81037	-.25427	.00000
.600	99.601	.06469	12.53512	2.85582	-.61104	-.35728	-.42930	-1.75318	12.41662	-.34222	.00000
.600	101.532	.08027	12.11752	.96297	-.60295	-.45894	-.[illegible]653	-2.00753	11.95756	-.42342	.00000
.600	103.378	.09568	11.73010	-.78457	-.59798	-.52114	-.65606	-2.23541	11.52611	-.49411	.00000
	GRADIENT	.00341	-.09033	-.55563	-.00005	-.06449	.01427	-.19658	-.09214	-.02794	.00000

RUN NO. 57/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	80.167	-.43192	17.19094	12.71797	-.55953	1.41934	2.13519	2.43150	17.02581	.51171	.00000
.900	82.499	-.41631	17.59063	11.17361	-.58043	1.19284	2.18153	1.80042	17.46506	.49492	.00000
.900	84.824	-.41350	17.70631	9.85305	-.56261	1.13328	2.19656	1.13826	17.67570	.46111	.00000
.900	86.473	-.[illegible]652	17.95678	8.99946	-.56696	1.11781	2.22602	.66022	17.95016	.44530	.00000
.900	88.247	-.40924	18.00787	8.15159	-.57140	1.03662	2.23133	.10269	18.01316	.44822	.00000
.900	89.711	-.40441	17.95607	7.40875	-.57370	.99222	2.23097	-.36250	17.95812	.45301	.00000
.900	91.711	-.40629	17.91921	6.32572	-.57444	1.02458	2.22015	-.94972	17.89684	.41492	.00000
.900	93.773	-.38670	17.75430	5.16414	-.57269	.88762	2.18642	-1.50501	17.69361	.33748	.00000
.901	95.447	-.36476	14.03200	3.37888	-.58031	.76087	2.13183	-1.61140	13.94199	.28064	.00000
.901	97.980	-.35874	17.33298	2.34116	-.57284	.65689	2.18463	-2.54058	17.14646	.15360	.00000
.900	100.215	-.34278	17.02204	.92365	-.56551	.58193	2.14352	-3.04095	16.74822	.02260	.00000
.900	103.656	-.29061	16.49823	-1.73041	-.55545	.31972	2.04965	-3.70744	16.07743	-.19310	.00000
	GRADIENT	.00506	-.05951	-.59900	-.00003	-.04089	-.00372	-.26710	-.07113	-.02764	.00000

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SA-2F(STPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS058) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 56/ 0 RN/L = 4.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLN	CBL	CYN	CY	CL	CD	CA	CAB
1.196	79.990	-.26788	20.29600	12.40356	-.47307	.38965	1.97637	2.98932	20.08210	.54695	.00000
1.198	81.832	-.26743	20.44267	11.85450	-.47505	.37585	1.97206	2.41153	20.30604	.49783	.00000
1.197	83.735	-.27185	20.63237	11.27584	-.47961	.41276	1.97065	1.80209	20.55850	.45226	.00000
1.199	85.661	-.27479	20.68391	10.62427	-.48166	.44174	1.96313	1.16851	20.65470	.39752	.00000
1.199	87.742	-.28467	20.64396	9.93434	-.48049	.52265	1.97602	.48853	20.64074	.32501	.00000
1.200	89.669	-.28311	20.63920	9.34147	-.48341	.52106	1.96219	-.13322	20.64031	.25260	.00000
1.199	91.583	-.28654	20.65614	8.69709	-.48450	.58237	1.94258	-.74510	20.64343	.17446	.00000
1.200	93.566	-.28902	20.61190	8.04387	-.48366	.60694	1.94711	-1.37299	20.56632	.09116	.00000
1.200	95.381	-.28817	20.55212	7.45887	-.48660	.62553	1.93049	-1.94095	20.46026	.01365	.00000
1.199	97.464	-.28855	20.40215	6.66511	-.47972	.63476	1.93787	-2.56695	20.24020	-.06416	.00000
1.200	99.277	-.28590	20.29880	6.05385	-.47601	.65584	1.90924	-3.09476	20.06230	-.17989	.00000
1.200	103.957	-.28161	19.81756	4.89173	-.46841	.72520	1.85767	-4.32876	19.34460	-.46471	.00000
	GRADIENT	-.00084	-.01728	-.32275	.00003	.01532	-.00420	-.31097	-.02659	-.04095	.00000

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS057) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 65/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	76.464	-.12724	12.33648	9.43655	-.49913	.48306	-.60517	2.58007	12.06780	.31612	.00000
.599	78.413	-.11794	12.79736	8.52514	-.50933	.49967	-.53189	2.22689	12.60700	.35062	.00000
.600	80.395	-.11352	13.00819	8.28572	-.51606	.72683	-.38900	1.84377	12.88112	.33141	.00000
.600	82.432	-.10158	13.37458	8.45872	-.51709	.52540	-.40323	1.48401	13.29494	.27985	.00000
.600	84.432	-.09831	13.18231	8.41064	-.51944	.65480	-.31957	1.05686	13.14178	.22323	.00000
.600	86.410	-.10325	13.35642	8.59228	-.52360	.61807	-.36673	.70189	13.33865	.13475	.00000
.600	88.377	-.10102	13.49470	8.40776	-.52350	.57177	-.37285	.32024	13.49104	.06188	.00000
.600	90.378	-.10097	13.30538	7.46449	-.52287	.66921	-.32576	-.20151	13.30434	.11378	.00000
.600	92.352	-.08359	13.00511	6.45580	-.52811	.47670	-.30647	-.70663	12.98705	.17311	.00000
.600	94.429	-.12622	12.79133	5.02188	-.52828	.82718	-.41498	-1.07060	12.74672	.08306	.00000
.600	96.474	-.18287	12.60760	3.61748	-.52031	1.23885	-.58521	-1.39059	12.53072	-.03123	.00000
.600	98.280	-.22583	12.44567	2.24718	-.51904	1.45464	-.76421	-1.65829	12.33544	-.13545	.00000
.599	100.408	-.24901	12.34426	.99323	-.51646	1.35489	-.97303	-1.97655	12.18772	-.25767	.00000
	GRADIENT	-.00438	-.01512	-.31974	-.00060	.03486	-.01136	-.19773	-.01116	-.02213	.00000

RUN NO. 64/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	76.337	.31958	16.57010	15.28403	-.43221	1.19347	1.99759	3.34602	16.23928	.58459	.00000
.901	78.237	.35442	16.81629	14.17076	-.43711	1.14143	2.11634	2.81745	16.59031	.62376	.00000
.900	80.119	.33787	17.03138	12.99946	-.43868	1.30913	2.11452	2.26738	16.89288	.66514	.00000
.899	82.110	.35785	17.25365	12.05553	-.43815	1.19783	2.14200	1.71856	17.18038	.65617	.00000
.900	84.027	.35371	17.53760	11.13798	-.44273	1.22568	2.12977	1.21295	17.50643	.61546	.00000
.899	85.994	.35827	17.61324	10.08971	-.44733	1.19045	2.12909	.65250	17.61069	.57945	.00000
.899	87.881	.37444	17.63733	8.96301	-.44709	1.03582	2.12341	.08810	17.64614	.56455	.00000
.900	89.909	.37841	17.63075	7.81948	-.44651	1.00401	2.12402	-.52263	17.63160	.55066	.00000
.900	91.820	.37701	17.61083	6.71314	-.44652	1.04126	2.13601	-1.07065	17.58570	.51164	.00000
.900	93.809	.38466	17.55234	5.48603	-.44566	.98235	2.14444	-1.61655	17.48358	.45167	.00000
.900	95.712	.39128	17.42030	4.25166	-.44335	.94472	2.15943	-2.11146	17.29603	.37963	.00000
.900	97.749	.40534	17.15457	2.65426	-.44718	.75649	2.13940	-2.61858	16.95634	.30852	.00000
.900	99.751	.41258	16.83136	.86863	-.44525	.58550	2.09984	-3.09032	16.54701	.24322	.00000
	GRADIENT	.00331	.01630	-.59145	-.00050	-.02325	.00258	-.27901	.01764	-.01586	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS058) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 173/ 0 RN/L = 5.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	135.163	-.36095	7.38590	-4.84911	-.26885	2.00718	-.78636	-3.68125	6.77286	-2.20718	.31103
.600	137.454	-.25291	6.77048	-4.64589	-.25426	1.49013	-.52528	-3.45019	6.25366	-2.27435	.26578
.600	139.568	-.20298	6.31263	-4.33521	-.23165	1.01268	-.45385	-3.29314	5.86846	-2.33116	.22852
.600	141.623	-.18168	5.85650	-4.03943	-.21649	.55039	-.47699	-3.10934	5.50705	-2.38684	.19717
.600	143.757	-.19548	5.26923	-3.86802	-.19463	.56062	-.51678	-2.81358	5.07437	-2.42914	.16444
.601	145.934	-.19935	4.60432	-3.68958	-.17663	.41176	-.55641	-2.43976	4.61167	-2.45362	.12503
.600	148.115	-.18275	4.00295	-3.43726	-.15417	-.06702	-.60187	-2.09840	4.20507	-2.46219	.08930
.600	150.134	-.16027	3.54775	-3.24053	-.14282	-.35254	-.58791	-1.86577	3.87523	-2.43146	.05802
.600	152.197	-.10093	3.10001	-3.16832	-.12786	-.50046	-.42829	-1.66073	3.49672	-2.31841	.02523
.600	154.262	-.04708	2.74851	-3.29102	-.11369	-.37167	-.22871	-1.53707	3.14085	-2.16177	-.00039
.600	156.346	-.00249	2.42384	-3.33925	-.10313	-.31505	-.07327	-1.41046	2.82115	-2.01824	-.01797
.600	158.395	.01393	2.10226	-3.21270	-.08804	-.27141	-.01097	-1.25814	2.53260	-1.89142	-.03149
.600	160.699	.01317	1.72158	-3.05522	-.07163	-.17539	.00678	-1.04008	2.23871	-1.76912	-.04487
	GRADIENT	.01304	-.22821	.06787	.00783	-.08578	.02531	.10925	-.17969	.01736	-.01445

RUN NO. 172/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.900	133.416	.38081	10.51526	-7.84808	-.30302	.29476	.93688	-5.65615	9.12446	-2.16265	.30474
.899	135.669	.16849	9.73761	-7.28951	-.27805	.41606	.46999	-5.36136	8.44783	-2.29979	.25605
.900	137.907	.00601	9.11260	-6.90100	-.25567	.57563	.13270	-5.14735	7.89601	-2.40889	.22097
.899	140.258	.01016	8.12533	-6.46761	-.23456	.57229	.14120	-4.66675	7.09636	-2.47302	.19001
.899	142.457	.01738	7.41857	-5.71853	-.21465	.28081	.09677	-4.34127	6.52558	-2.52877	.18338
.900	144.850	-.01586	6.35622	-5.08270	-.19450	.05976	-.02494	-3.71081	5.77033	-2.58171	.17110
.900	147.256	-.02270	5.23594	-4.65977	-.17383	.12826	-.02351	-2.99796	5.01833	-2.59930	.15373
.900	149.501	-.08164	4.41134	-3.71425	-.15357	-.20802	-.22287	-2.48235	4.47752	-2.59814	.15447
.900	151.690	-.08203	3.76744	-3.15943	-.13404	-.58355	-.30144	-2.13434	3.98186	-2.49341	.14856
.899	153.821	.00313	3.18592	-2.95219	-.12037	-.47641	-.09172	-1.79607	3.56789	-2.40949	.13248
.900	156.038	.07876	2.70249	-2.65643	-.10564	-.23466	.12567	-1.51191	3.25232	-2.35797	.11750
.899	158.184	.06467	2.30719	-2.17646	-.08789	-.08206	.12692	-1.28935	2.98732	-2.29420	.11876
.900	160.473	.03222	1.98257	-1.77799	-.07471	-.01276	.06948	-1.12701	2.75358	-2.21851	.12365
	GRADIENT	-.00643	-.33627	.23369	.00843	-.03113	-.02127	.18589	-.24623	.00017	-.00596

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS058) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 171/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	133.447	.38665	12.67163	-3.32568	-.24148	.98484	1.20090	-6.94210	10.87819	-2.44079	.35035
1.200	135.778	.37163	11.69869	-3.82480	-.23305	.97491	1.14985	-6.59784	9.99427	-2.56078	.32881
1.199	138.072	.33747	10.76451	-4.23868	-.22270	1.00192	1.06012	-6.21782	9.18674	-2.68006	.31275
1.200	140.257	.30565	9.88922	-4.53623	-.20910	1.04952	.98368	-5.83690	8.44787	-2.76393	.29756
1.199	142.365	.25376	8.98317	-4.94470	-.19725	1.14759	.87051	-5.40341	7.70374	-2.80127	.27223
1.199	144.700	.18613	8.07773	-5.03302	-.18424	1.05191	.67973	-4.94567	6.99373	-2.84996	.24007
1.199	146.837	.15340	7.22971	-5.01448	-.16807	.70267	.52508	-4.46786	6.37919	-2.89607	.22651
1.199	149.020	.13307	6.54499	-4.52271	-.14745	.16767	.36363	-4.11007	5.86945	-2.91655	.22934
1.199	151.336	.14607	5.58130	-4.66324	-.13026	-.85222	.18447	-3.52736	5.18317	-2.85600	.21105
1.200	153.513	.16735	4.71738	-4.70804	-.11520	-1.11899	.18243	-2.97380	4.60934	-2.79924	.20234
1.200	155.690	.16633	3.89765	-4.56816	-.10058	-.95798	.21445	-2.41592	4.11962	-2.75977	.20495
1.200	157.908	.14603	3.17105	-4.17152	-.09020	-.47295	.26598	-1.92179	3.69677	-2.70256	.19322
1.200	160.317	.08494	2.48899	-3.55606	-.07213	-.09969	.19250	-1.44819	3.34141	-2.65842	.17482
	GRADIENT	-.01065	-.38341	-.00954	.00660	-.08140	-.04434	.20951	-.28351	-.00647	-.00638

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS059) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 176/ 0 RN/L = 5.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.600	156.371	-.00500	2.46455	-3.29490	-.10182	-.16919	-.05158	-1.45412	2.82509	-2.00540	-.01225
.599	158.426	.00623	2.15341	-3.19252	-.08849	-.12371	-.00512	-1.30613	2.55312	-1.89400	-.02601
.600	160.475	.01834	1.81657	-3.07742	-.07109	-.07105	.04508	-1.11229	2.29862	-1.79469	-.03751
.600	162.581	.02519	1.45692	-2.93561	-.05927	-.02559	.07639	-.88016	2.06145	-1.70342	-.04423
.600	164.638	.03087	1.12858	-2.61228	-.05657	.00309	.10023	-.65315	1.88268	-1.64238	-.05139
.600	166.705	.02791	.82907	-2.16806	-.04173	.03151	.09640	-.44192	1.73507	-1.58695	-.06147
.600	168.799	.02220	.59814	-1.73472	-.02842	.04553	.08081	-.29338	1.59766	-1.51023	-.07208
.600	170.819	.01229	.37869	-1.32664	-.02259	.03498	.04680	-.14668	1.46594	-1.42375	-.08303
.600	172.881	.00682	.23862	-.99356	-.01875	.02755	.02767	-.07431	1.33033	-1.31086	-.09328
.600	174.925	.00313	.12722	-.69873	-.01128	.01206	.01258	-.01939	1.21977	-1.21327	-.09980
.600	176.953	.00298	.03806	-.22097	-.00927	-.00147	.00935	.03231	1.32308	-1.32293	-.10748
.600	178.978	-.00914	-.09533	-.07182	-.00691	.02406	.00454	.02935	1.34606	-1.34637	-.11007
.600	181.143	-.00303	-.06192	.02287	.00081	.03117	-.00349	.03521	1.33980	-1.33884	-.11117
	GRADIENT	-.00056	-.10483	.15392	.00403	.00637	-.00050	.06465	-.06071	.02914	-.00418

RUN NO. 175/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.899	156.101	.05547	2.74602	-2.61384	-.09967	-.10404	.10447	-1.55784	3.26255	-2.35169	.12590
.899	158.164	.06076	2.36173	-2.21494	-.08561	.02175	.14137	-1.33619	3.01498	-2.30168	.12597
.899	160.305	.03839	2.02763	-1.81015	-.07040	.09344	.10526	-1.15635	2.78600	-2.23330	.13401
.899	162.340	.02028	1.78026	-1.56640	-.05911	.07117	.07769	-1.04170	2.59634	-2.15796	.13122
.900	164.493	.01714	1.51492	-1.25975	-.04775	.03546	.04527	-.89807	2.42951	-2.10097	.12547
.899	166.553	.00482	1.25662	-1.00154	-.03685	-.02402	.00568	-.76925	2.18649	-1.94766	.11546
.900	168.707	.01304	.91948	-.37775	-.02955	.02810	.03453	-.51015	2.14070	-1.99935	.10093
.899	170.771	.00749	.66707	-.02390	-.02083	.03787	.02435	-.35567	1.97036	-1.88781	.07584
.900	172.867	.00664	.45494	.23779	-.01366	.03718	.02234	-.23380	1.79552	-1.75259	.04515
.900	174.877	.00751	.29535	.31758	-.01202	.01001	.01867	-.14955	1.63951	-1.61961	.00521
.900	176.934	.00927	.16645	.32090	-.00756	.00683	.02197	-.08577	1.51069	-1.50394	-.03392
.900	178.989	.00780	.03716	.30566	-.00458	-.04262	.00856	-.01167	1.44514	-1.44471	-.05882
.900	181.134	.00312	-.06520	-.37488	-.00129	-.02613	.00158	.03642	1.45405	-1.45305	-.05341
	GRADIENT	-.00205	-.11366	.11660	.00388	-.00083	-.00480	.06564	-.07423	.03942	-.00855

SA-2F(8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (RPS039) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 174/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	155.566	.15566	3.93410	-4.87366	-.09876	-.72308	.24779	-2.44973	4.11891	-2.73669	.18291
1.199	157.960	.12236	3.17862	-4.42427	-.08832	-.17499	.27301	-1.93850	3.68230	-2.68580	.16704
1.200	160.081	.08990	2.58576	-3.85117	-.07064	.12918	.25217	-1.52816	3.37270	-2.65032	.15513
1.199	162.311	.04097	2.00877	-3.25228	-.05547	.19277	.14209	-1.10757	3.13826	-2.65335	.14211
1.199	164.428	.01545	1.56912	-2.77184	-.04503	.16881	.07329	-.80611	2.95256	-2.62779	.13206
1.199	166.535	.01572	1.23117	-2.37956	-.03240	.22114	.08467	-.59944	2.78387	-2.56778	.11704
1.200	168.643	.01551	.96452	-2.01031	-.02273	.23972	.08794	-.45333	2.64111	-2.50013	.10389
1.200	170.692	.02209	.73819	-1.63723	-.01623	.26193	.10877	-.33813	2.50088	-2.41325	.08631
1.199	172.778	.00956	.52093	-1.25327	-.00796	.18293	.06150	-.22504	2.36787	-2.32079	.06868
1.199	174.850	.00468	.33570	-.80863	-.00333	.05043	.02203	-.13254	2.26913	-2.24807	.03365
1.199	176.893	.00009	.19369	-.49732	-.00170	.07375	.01548	-.07538	2.18488	-2.17758	.03143
1.199	178.945	-.00533	.08759	-.22616	.00204	.15404	.01857	-.04834	2.13268	-2.13143	.03665
1.199	181.148	-.00677	-.08002	.13582	.00485	.15981	.01605	.03676	2.15987	-2.15870	.04169
	GRADIENT	-.00547	-.14821	.19692	.00417	.01693	-.01036	.09034	-.07397	.02627	-.00645

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS060) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 150/ 0 RN/L = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.400	136.287	-.01701	7.02194	-2.97176	.00522	.61210	.01285	-3.50893	6.49109	-2.26697	.36898
.401	138.779	-.00576	6.37254	-3.06965	.00103	.19587	.00238	-3.25120	5.95948	-2.34017	.30933
.400	140.538	-.00737	5.88395	-3.14169	.00255	.12570	-.02260	-3.04458	5.55941	-2.35704	.27245
.401	142.523	-.01065	5.34471	-3.07039	-.00204	.19724	-.02895	-2.77855	5.16014	-2.40446	.23962
.397	144.644	-.00430	4.73080	-3.03538	-.00361	.44144	.06280	-2.45345	4.71757	-2.42784	.19537
.400	146.489	.00043	4.21196	-3.03192	.00067	.32275	.06962	-2.16089	4.36559	-2.44688	.14613
.399	148.453	.01309	3.68037	-3.02174	-.00428	.22889	.13287	-1.86869	3.99056	-2.42311	.10252
.401	149.547	.01167	3.42018	-2.99391	-.00564	.14406	.10539	-1.72635	3.81188	-2.41104	.07564
.400	150.713	.00755	3.17649	-2.99490	-.01404	.10150	.07003	-1.59995	3.64083	-2.39278	.05800
.400	152.895	.00414	2.84896	-3.15210	-.00395	.07279	.04205	-1.50305	3.31631	-2.26726	.02591
.401	154.921	.00362	2.55269	-3.27718	-.00622	-.03393	.01652	-1.41238	3.00444	-2.12255	.00271
.401	156.804	.00279	2.33283	-3.34428	-.00838	-.16621	-.01619	-1.35528	2.75998	-2.00304	-.01475
.400	159.237	-.00322	1.95803	-3.21384	-.00462	-.09309	-.04051	-1.18352	2.40159	-1.82606	-.03377
.400	160.992	-.00088	1.65509	-3.04316	-.00967	-.05152	-.01650	-1.01096	2.14692	-1.70058	-.04708
	GRADIENT	.00059	-.21871	-.00739	-.00051	-.02220	-.00071	.10354	-.17418	.02299	-.01741

RUN NO. 151/ 0 RN/L = 5.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.601	144.099	.01198	5.32083	-3.05238	.00359	.39119	.11961	-2.86026	5.11987	-2.46636	.17885
.602	146.191	.00673	4.56710	-3.16418	.00508	.40376	.10519	-2.41450	4.60240	-2.48064	.12654
.601	148.276	.02079	3.96149	-3.09157	.00586	.22287	.11286	-2.06378	4.19543	-2.48343	.08385
.601	150.464	-.00822	3.43248	-3.01406	.00055	.22164	.01955	-1.78747	3.80810	-2.43203	.04610
.601	153.091	-.02421	2.94618	-3.04096	-.00244	-.03032	-.08397	-1.59841	3.36042	-2.27318	.01258
.601	154.553	-.02170	2.71434	-3.14241	.00199	-.02482	-.07487	-1.51968	3.12351	-2.16752	-.00340
.601	156.455	.00238	2.39851	-3.17368	.00215	-.06306	-.00538	-1.38845	2.81789	-2.02867	-.02195
.600	158.744	-.00106	2.03136	-3.09644	.00101	-.05575	-.01499	-1.20638	2.50200	-1.89444	-.03978
.600	160.745	-.00053	1.70951	-2.95496	-.00037	-.07056	-.01633	-1.02441	2.25129	-1.78753	-.05426
	GRADIENT	-.00106	-.20798	.00256	-.00028	-.03266	-.01016	.10120	-.17014	.04496	-.01361

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS060) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 152/ 0 RN/L = 6.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.801	144.806	.04741	5.73134	-3.99718	.00989	-.00946	.10027	-3.25607	5.32748	-2.47704	.11598
.801	147.677	.06527	4.51974	-3.56965	.00786	.16613	.17459	-2.48984	4.51797	-2.48664	.07856
.800	148.840	-.01216	4.11869	-3.34963	.00884	.24028	.02362	-2.24164	4.25272	-2.47930	.03704
.801	149.827	-.11857	3.86301	-3.16375	.00696	.19237	-.21470	-2.10255	4.06941	-2.46129	.04807
.801	152.167	-.12577	3.29112	-2.83790	.00291	.04791	-.26026	-1.81158	3.61776	-2.35341	.02727
.801	154.245	-.02525	2.86916	-2.76490	.00242	-.08929	-.07276	-1.59761	3.29156	-2.27039	.00888
.800	156.523	.00066	2.44218	-2.76086	.00134	-.00787	-.00019	-1.37408	2.96663	-2.17365	-.00035
.800	158.572	-.00193	2.10289	-2.63981	.00123	-.03995	-.01245	-1.19622	2.70811	-2.08390	-.00557
.801	160.541	-.01159	1.81594	-2.42411	.00086	-.03204	-.03192	-1.04527	2.49267	-2.00209	-.00564
	GRADIENT	-.00182	-.23490	.09075	-.00065	-.01279	-.00660	.12882	-.17353	.03414	-.00730

RUN NO. 149/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.898	133.490	-.04623	11.08447	-6.66180	.02161	.09100	-.08769	-6.01917	9.56851	-2.21841	.34633
.901	135.670	-.08483	10.54232	-6.21528	.02010	.12054	-.16767	-5.89643	9.05058	-2.35380	.29625
.901	138.093	-.03118	9.41890	-5.86732	.01975	.09725	-.04997	-5.38551	8.10101	-2.43197	.23728
.898	140.930	.05912	8.15614	-5.44693	.01568	-.07074	.11754	-4.75284	7.08609	-2.50588	.19357
.901	142.854	.07034	7.47893	-4.94054	.01519	-.14176	.12645	-4.41879	6.55249	-2.55471	.18992
.900	145.287	.12356	6.27329	-4.68253	.00915	-.19175	.23315	-3.68150	5.70192	-2.59058	.16245
.898	147.236	.11455	5.35222	-4.39943	.00834	.00497	.25461	-3.09453	5.08149	-2.59835	.14335
.899	148.563	.07584	4.72167	-4.01402	.00518	.05471	.17838	-2.66628	4.69120	-2.61193	.13244
.899	149.761	.03899	4.32324	-3.49581	.00513	.07917	.10232	-2.42850	4.41845	-2.59421	.13131
.899	152.113	.03036	3.63960	-2.91338	.00127	-.03395	.05988	-2.05441	3.89921	-2.48549	.13035
.898	154.402	.04966	3.08873	-2.60912	.00347	.09948	.13042	-1.74298	3.51073	-2.41307	.12139
.900	156.468	.04234	2.63789	-2.31860	.00197	.04479	.10302	-1.47656	3.21627	-2.35927	.11220
.900	158.587	.01186	2.26719	-1.98337	-.00174	.00230	.02686	-1.26989	2.97172	-2.30296	.10935
.899	160.559	-.00455	1.98637	-1.68189	.00081	-.00590	-.01141	-1.13225	2.76010	-2.22586	.11491
	GRADIENT	.00218	-.35922	.19070	-.00091	-.00100	.00475	.20169	-.26272	.00172	-.00762

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (RPS060) (29 OCT 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 148/ 0 RN/L = 4.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
.999	133.267	.00275	12.13801	-8.80863	.02190	.03282	.01345	-6.66819	10.39381	-2.27265	.30845
.999	135.724	-.00969	11.26668	-8.48253	.02030	.06510	-.00974	-6.37305	9.60252	-2.42613	.29265
.998	137.814	-.01190	10.84829	-7.44826	.01965	.02419	-.02326	-6.31579	9.18560	-2.56496	.30296
1.000	140.209	-.04512	9.81532	-7.13792	.02158	.08437	-.08871	-5.84409	8.32014	-2.65285	.29103
.999	142.521	-.09297	8.68259	-6.75269	.01700	.12397	-.19196	-5.23439	7.44274	-2.72137	.28628
1.000	144.767	-.02265	7.58985	-6.67651	.01662	.04474	-.04346	-4.61228	6.62588	-2.75129	.25233
1.000	147.040	-.04446	6.97912	-5.58409	.01487	-.17191	-.13875	-4.31402	6.17484	-2.83395	.26233
1.001	149.150	.00132	5.98949	-5.52437	.01091	.22506	.04964	-3.68270	5.51456	-2.84583	.23525
1.000	151.758	-.04568	4.74222	-5.36564	.01214	.09768	-.08563	-2.89173	4.63807	-2.71757	.20269
1.000	154.120	-.00715	3.89161	-4.86731	.00401	-.11806	-.04106	-2.34976	4.07225	-2.63818	.18503
1.000	155.896	.04361	3.35740	-4.34897	.00134	-.07225	.08661	-2.00981	3.73993	-2.59891	.17632
1.000	158.320	.04271	2.78352	-3.56379	.00316	-.01956	.09591	-1.64690	3.39214	-2.54381	.16680
1.000	160.426	.00119	2.32115	-2.91947	.00300	-.02573	-.00253	-1.35444	3.11917	-2.48516	.15515
	GRADIENT	.00169	-.38405	.20077	-.00082	-.00400	.00313	.21514	-.28098	-.00502	-.00619

RUN NO. 147/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CLM	CBL	CYN	CY	CL	CD	CA	CAB
1.199	133.682	.00919	12.78247	-2.92828	.03156	.05037	.03410	-7.05643	10.93505	-2.44477	.33998
1.201	135.983	.00673	11.87954	-3.22585	.03001	.07012	.03165	-6.75461	10.10555	-2.57358	.32974
1.200	138.123	-.00102	10.99023	-3.57753	.02674	.03467	.00460	-6.39263	9.33348	-2.68228	.30870
1.199	140.486	-.01514	10.02611	-3.94659	.02452	.10114	-.01703	-5.97596	8.51209	-2.76493	.28225
1.199	142.625	-.02670	9.15894	-4.16729	.02361	.12308	-.04105	-5.57454	7.79037	-2.80698	.25979
1.199	144.849	-.04594	8.30295	-4.24032	.02181	.13581	-.08587	-5.14045	7.12119	-2.86298	.23954
1.199	147.102	-.03533	7.36276	-4.32704	.01875	.08116	-.07058	-4.59655	6.45004	-2.91911	.22670
1.199	148.405	-.03362	6.85331	-4.09727	.01546	.06570	-.06947	-4.29613	6.09639	-2.94190	.23209
1.199	149.352	-.02501	6.74658	-3.60271	.01655	.07662	-.04594	-4.30171	5.97483	-2.94738	.24481
1.199	151.706	-.03041	5.52586	-4.36518	.01406	.01288	-.07249	-3.51027	5.13733	-2.85990	.22264
1.199	153.899	-.02510	4.61553	-4.54292	.01243	-.07325	-.07730	-2.90879	4.55360	-2.80948	.19918
1.199	156.214	-.00247	3.73603	-4.34185	.00679	-.21543	-.05074	-2.30738	4.02818	-2.75541	.19450
1.199	158.450	.00698	3.07071	-3.89245	.00786	-.12405	-.00825	-1.86307	3.64229	-2.70334	.19257
1.199	160.366	.00773	2.53495	-3.38232	.00645	-.10708	-.00276	-1.49547	3.35510	-2.65841	.18514
	GRADIENT	-.00010	-.39143	-.02657	-.00099	-.00906	-.00212	.21641	-.28803	-.00649	-.00587

SA-2F(8TPT-655)SRB (PPS001) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 6/ 0 RN/L = .63 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.402	79.054	-.00354	55.86224	.00000	.00000	.00000	.00000
.402	80.054	-.00247	55.86224	.00000	.00000	.00000	.00000
.402	82.021	-.00202	55.86224	.00000	.00000	.00000	.00000
.402	84.042	-.00265	55.86224	.00000	.00000	.00000	.00000
.402	85.910	-.00232	55.86224	.00000	.00000	.00000	.00000
.402	87.977	-.00228	55.86224	.00000	.00000	.00000	.00000
.402	89.943	-.00213	55.86224	.00000	.00000	.00000	.00000
.402	91.970	-.00249	55.86224	.00000	.00000	.00000	.00000
.402	93.838	-.00210	55.77149	.00000	.00000	.00000	.00000
.402	95.900	-.00172	55.77149	.00000	.00000	.00000	.00000
.402	97.909	-.00213	55.77149	.00000	.00000	.00000	.00000
.401	100.068	-.00421	55.59107	.00000	.00000	.00000	.00000
.401	101.688	-.00426	55.50139	.00000	.00000	.00000	.00000
.401	103.099	-.00341	55.50139	.00000	.00000	.00000	.00000
	GRADIENT	-.00004	-.01415	.00000	.00000	.00000	.00000

RUN NO. 20/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.601	79.026	.00045	79.30954	.00000	.00000	.00000	.00000
.601	79.934	.00023	79.39417	.00000	.00000	.00000	.00000
.601	81.881	-.00067	79.30954	.00000	.00000	.00000	.00000
.601	83.860	-.00027	79.30954	.00000	.00000	.00000	.00000
.601	85.858	-.00117	79.30954	.00000	.00000	.00000	.00000
.601	87.856	-.00121	79.30954	.00000	.00000	.00000	.00000
.601	89.902	-.00012	79.39252	.00000	.00000	.00000	.00000
.602	91.896	-.00037	79.47879	.00000	.00000	.00000	.00000
.601	93.843	-.00054	79.39252	.00000	.00000	.00000	.00000
.602	95.836	-.00056	79.47879	.00000	.00000	.00000	.00000
.601	97.836	-.00040	79.39417	.00000	.00000	.00000	.00000
.601	99.785	-.00031	79.39252	.00000	.00000	.00000	.00000
.600	103.075	-.00063	79.14352	.00000	.00000	.00000	.00000
	GRADIENT	-.00002	.00007	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB (PPS001) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 19/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.897	79.116	-.00113	106.95648	.00000	.00000	.00000	.00000
.896	79.853	-.00120	106.68154	.00000	.00000	.00000	.00000
.897	81.817	-.00249	106.81904	.00000	.00000	.00000	.00000
.897	83.893	-.00207	106.75030	.00000	.00000	.00000	.00000
.896	85.860	-.00228	106.68154	.00000	.00000	.00000	.00000
.897	87.807	-.00151	106.75030	.00000	.00000	.00000	.00000
.897	89.851	-.00191	106.81904	.00000	.00000	.00000	.00000
.897	91.825	-.00170	106.95648	.00000	.00000	.00000	.00000
.897	93.840	-.00148	106.88777	.00000	.00000	.00000	.00000
.897	95.855	-.00155	106.95648	.00000	.00000	.00000	.00000
.897	97.829	-.00147	106.74129	.00000	.00000	.00000	.00000
.896	99.813	-.00108	106.67254	.00000	.00000	.00000	.00000
.896	103.086	-.00128	106.76829	.00000	.00000	.00000	.00000
	GRADIENT	.00002	-.00047	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB (PPS002) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 23/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.196	79.283	-.00313	208.62382	.00000	.00000	.00000	.00000
1.196	79.883	-.00403	208.57251	.00000	.00000	.00000	.00000
1.196	81.869	-.00370	208.52120	.00000	.00000	.00000	.00000
1.196	83.844	-.00376	208.62382	.00000	.00000	.00000	.00000
1.196	85.840	-.00253	208.52120	.00000	.00000	.00000	.00000
1.196	87.896	-.00288	208.46988	.00000	.00000	.00000	.00000
1.196	89.874	-.00352	208.52120	.00000	.00000	.00000	.00000
1.196	91.821	-.00397	208.57251	.00000	.00000	.00000	.00000
1.196	93.815	-.00355	208.46988	.00000	.00000	.00000	.00000
1.196	95.796	-.00391	208.64734	.00000	.00000	.00000	.00000
1.197	97.824	-.00367	208.64302	.00000	.00000	.00000	.00000
1.199	99.802	-.00406	208.77176	.00000	.00000	.00000	.00000
1.202	103.271	-.00384	209.06411	.00000	.00000	.00000	.00000
	GRADIENT	-.00002	.01241	.00000	.00000	.00000	.00000

SA-2F (STF 1-655) SRB (FPS003) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 8/ 0 RN/L = 1.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	79.085	-.00894	111.01058	.00000	.00000	.00000	.00000
.401	80.004	-.00925	111.19107	.00000	.00000	.00000	.00000
.401	81.983	-.00783	111.19107	.00000	.00000	.00000	.00000
.400	84.060	-.00846	110.64950	.00000	.00000	.00000	.00000
.399	86.018	-.01036	110.19799	.00000	.00000	.00000	.00000
.399	88.016	-.00524	110.46892	.00000	.00000	.00000	.00000
.399	90.002	-.00475	110.46892	.00000	.00000	.00000	.00000
.399	92.017	-.00666	110.28776	.00000	.00000	.00000	.00000
.399	94.104	-.00662	110.37862	.00000	.00000	.00000	.00000
.400	95.981	-.00605	110.55921	.00000	.00000	.00000	.00000
.400	98.077	-.00776	110.55921	.00000	.00000	.00000	.00000
.400	99.965	-.01675	110.55921	.00000	.00000	.00000	.00000
.399	101.893	-.01900	110.19799	.00000	.00000	.00000	.00000
.399	103.122	-.01852	110.19799	.00000	.00000	.00000	.00000
	GRADIENT	-.00035	-.02986	.00000	.00000	.00000	.00000

RUN NO. 7/ 0 RN/L = 1.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.598	79.123	-.00260	158.87203	.00000	.00000	.00000	.00000
.601	80.032	-.00263	159.69813	.00000	.00000	.00000	.00000
.599	82.036	-.00332	158.76124	.00000	.00000	.00000	.00000
.599	84.149	-.00363	157.50842	.00000	.00000	.00000	.00000
.599	85.945	-.00390	157.77561	.00000	.00000	.00000	.00000
.600	88.029	-.00430	158.27390	.00000	.00000	.00000	.00000
.602	90.103	-.00383	158.86633	.00000	.00000	.00000	.00000
.600	92.127	-.00304	158.20237	.00000	.00000	.00000	.00000
.600	93.889	-.00448	158.03626	.00000	.00000	.00000	.00000
.599	95.910	-.00618	157.95319	.00000	.00000	.00000	.00000
.600	98.033	-.00785	158.11932	.00000	.00000	.00000	.00000
.599	100.054	-.00655	157.95319	.00000	.00000	.00000	.00000
.599	101.938	-.00756	157.87010	.00000	.00000	.00000	.00000
.599	103.146	-.00847	157.95645	.00000	.00000	.00000	.00000
	GRADIENT	-.00023	-.04282	.00000	.00000	.00000	.00000

SA-2F (STPT-655) SRB (PPS003) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 5/ 3 RN/L = 1.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	79.216	-.00604	214.36647	.00000	.00000	.00000	.00000
.898	79.992	-.00607	214.14239	.00000	.00000	.00000	.00000
.899	82.065	-.00640	214.21104	.00000	.00000	.00000	.00000
.899	84.008	-.00539	214.34830	.00000	.00000	.00000	.00000
.899	85.980	-.00569	214.34830	.00000	.00000	.00000	.00000
.899	88.091	-.00655	214.41692	.00000	.00000	.00000	.00000
.899	89.933	-.00642	214.48554	.00000	.00000	.00000	.00000
.899	91.950	-.00568	214.48554	.00000	.00000	.00000	.00000
.899	93.847	-.00445	214.62274	.00000	.00000	.00000	.00000
.899	95.931	-.00515	214.48554	.00000	.00000	.00000	.00000
.899	97.817	-.00470	214.62274	.00000	.00000	.00000	.00000
.899	100.004	-.00528	214.55414	.00000	.00000	.00000	.00000
.899	102.001	-.00528	214.62274	.00000	.00000	.00000	.00000
.900	103.193	-.00545	214.78282	.00000	.00000	.00000	.00000
	GRADIENT	.00005	.01940	.00000	.00000	.00000	.00000

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SA-2F(8TPT-655)SRB (PPS004) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.6340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FLDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 10/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.399	79.147	-.02089	183.50912	.00000	.00000	.00000	.00000
.398	80.157	-.01735	183.23812	.00000	.00000	.00000	.00000
.398	82.172	-.02528	183.23812	.00000	.00000	.00000	.00000
.399	84.009	-.02375	183.59999	.00000	.00000	.00000	.00000
.399	86.441	-.03028	183.78062	.00000	.00000	.00000	.00000
.399	88.106	-.04123	183.78062	.00000	.00000	.00000	.00000
.399	90.010	-.05308	183.32602	.00000	.00000	.00000	.00000
.398	91.936	-.02037	182.78691	.00000	.00000	.00000	.00000
.399	94.053	-.01686	183.41934	.00000	.00000	.00000	.00000
.399	95.910	-.01440	183.69031	.00000	.00000	.00000	.00000
.399	97.993	-.01928	183.69031	.00000	.00000	.00000	.00000
.398	99.955	-.02290	183.32900	.00000	.00000	.00000	.00000
.398	101.809	-.03386	183.32900	.00000	.00000	.00000	.00000
.398	103.143	-.03246	183.32900	.00000	.00000	.00000	.00000
	GRADIENT	-.00012	-.00190	.00000	.00000	.00000	.00000

RUN NO. 9/ 0 RN/L = 2.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.598	79.184	-.00080	262.19379	.00000	.00000	.00000	.00000
.600	80.238	-.00057	263.35900	.00000	.00000	.00000	.00000
.599	82.083	-.00230	263.36553	.00000	.00000	.00000	.00000
.598	84.035	.00085	262.44810	.00000	.00000	.00000	.00000
.600	86.061	.00027	263.61471	.00000	.00000	.00000	.00000
.599	87.973	.00129	263.19286	.00000	.00000	.00000	.00000
.600	90.141	.00088	263.69611	.00000	.00000	.00000	.00000
.600	92.013	.00413	263.27266	.00000	.00000	.00000	.00000
.599	93.633	.00396	262.87023	.00000	.00000	.00000	.00000
.600	96.120	.00725	263.61307	.00000	.00000	.00000	.00000
.598	97.864	.00471	262.61599	.00000	.00000	.00000	.00000
.599	100.029	-.00045	263.02669	.00000	.00000	.00000	.00000
.599	101.831	-.00065	262.78549	.00000	.00000	.00000	.00000
.599	103.188	-.01221	263.19449	.00000	.00000	.00000	.00000
	GRADIENT	.00016	.00315	.00000	.00000	.00000	.00000

SA-2F(8T?1-655)SRB (PPS004) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 4/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.898	79.405	-.01020	356.39264	.00000	.00000	.00000	.00000
.898	79.983	-.01113	356.63110	.00000	.00000	.00000	.00000
.898	81.960	-.00974	356.40699	.00000	.00000	.00000	.00000
.898	83.949	-.00865	356.61297	.00000	.00000	.00000	.00000
.899	85.986	-.00917	356.73210	.00000	.00000	.00000	.00000
.899	87.923	-.00796	356.80073	.00000	.00000	.00000	.00000
.898	89.916	-.00874	356.52617	.00000	.00000	.00000	.00000
.899	91.947	-.00871	356.86936	.00000	.00000	.00000	.00000
.899	93.917	-.00907	356.92889	.00000	.00000	.00000	.00000
.899	95.864	-.00783	356.76438	.00000	.00000	.00000	.00000
.899	97.354	-.00811	357.10741	.00000	.00000	.00000	.00000
.900	99.935	-.00696	357.16689	.00000	.00000	.00000	.00000
.899	101.820	-.00606	356.89250	.00000	.00000	.00000	.00000
.899	103.243	-.00709	356.75528	.00000	.00000	.00000	.00000
	GRADIENT	.00015	.02142	.00000	.00000	.00000	.00000

RUN NO. 22/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.201	79.541	-.00662	417.66187	.00000	.00000	.00000	.00000
1.201	79.901	-.00649	417.92151	.00000	.00000	.00000	.00000
1.199	81.882	-.00862	417.57253	.00000	.00000	.00000	.00000
1.199	83.879	-.00701	417.59394	.00000	.00000	.00000	.00000
1.200	85.947	10806	417.47784	.00000	.00000	.00000	.00000
1.200	87.901	-.00768	417.47784	.00000	.00000	.00000	.00000
1.200	89.883	-.00804	417.47784	.00000	.00000	.00000	.00000
1.199	91.872	-.00831	417.42743	.00000	.00000	.00000	.00000
1.200	93.811	-.00848	417.72214	.00000	.00000	.00000	.00000
1.201	95.797	-.00745	417.85537	.00000	.00000	.00000	.00000
1.202	97.816	-.00803	417.97723	.00000	.00000	.00000	.00000
1.200	99.750	-.00888	417.56324	.00000	.00000	.00000	.00000
1.202	103.453	-.01013	417.90570	.00000	.00000	.00000	.00000
	GRADIENT	-.00009	.00744	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB (PPS005) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 24/ 0 RN/L = 2.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CP1	CP2	CP3	CP4
1.199	79.792	-.00492	625.39866	.00000	.00000	.00000	.00000
1.198	81.890	-.00659	625.25610	.00000	.00000	.00000	.00000
1.198	83.890	-.00946	625.20565	.00000	.00000	.00000	.00000
1.199	85.891	-.00931	625.27006	.00000	.00000	.00000	.00000
1.200	87.851	-.00926	625.64140	.00000	.00000	.00000	.00000
1.199	89.033	-.00819	625.32682	.00000	.00000	.00000	.00000
1.200	89.837	-.00864	625.59872	.00000	.00000	.00000	.00000
1.200	91.831	-.00941	625.64140	.00000	.00000	.00000	.00000
1.200	93.813	-.00803	625.68405	.00000	.00000	.00000	.00000
1.200	95.793	-.00843	625.68405	.00000	.00000	.00000	.00000
1.200	97.793	-.00870	625.58328	.00000	.00000	.00000	.00000
1.200	99.701	-.01225	625.60641	.00000	.00000	.00000	.00000
1.199	100.931	-.01260	625.27639	.00000	.00000	.00000	.00000
1.200	103.658	-.01275	625.75575	.00000	.00000	.00000	.00000
	GRADIENT	-.00024	.01481	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB (PPS006) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 2/ 0 RN/L = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.399	79.081	.01865	330.94533	.00000	.00000	.00000	.00000
.400	81.104	.04402	332.05160	.00000	.00000	.00000	.00000
.400	82.998	.08604	331.48933	.00000	.00000	.00000	.00000
.400	84.990	.06460	331.85104	.00000	.00000	.00000	.00000
.400	86.776	.03847	331.57907	.00000	.00000	.00000	.00000
.399	88.670	.02103	331.30874	.00000	.00000	.00000	.00000
.400	90.345	.00513	331.94021	.00000	.00000	.00000	.00000
.400	92.232	-.03963	331.57852	.00000	.00000	.00000	.00000
.399	94.107	-.05425	331.30819	.00000	.00000	.00000	.00000
.400	96.039	-.06871	331.66770	.00000	.00000	.00000	.00000
.400	98.059	-.05442	331.76075	.00000	.00000	.00000	.00000
.399	100.205	-.07570	331.40014	.00000	.00000	.00000	.00000
.399	102.251	-.10977	331.40069	.00000	.00000	.00000	.00000
.400	103.037	-.11688	331.76186	.00000	.00000	.00000	.00000
	GRADIENT	-.00763	.00254	.00000	.00000	.00000	.00000

RUN NO. 21/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	79.441	.01261	474.79123	.00000	.00000	.00000	.00000
.599	80.143	.01239	474.04855	.00000	.00000	.00000	.00000
.600	82.109	.02573	475.04855	.00000	.00000	.00000	.00000
.599	84.142	.03064	474.13163	.00000	.00000	.00000	.00000
.599	86.138	.02742	474.04855	.00000	.00000	.00000	.00000
.600	88.174	.02154	474.79942	.00000	.00000	.00000	.00000
.600	90.183	.03080	474.79942	.00000	.00000	.00000	.00000
.600	92.197	.03265	474.80105	.00000	.00000	.00000	.00000
.600	94.189	.03060	474.96223	.00000	.00000	.00000	.00000
.599	96.185	.03168	474.21308	.00000	.00000	.00000	.00000
.600	98.146	.02438	474.87755	.00000	.00000	.00000	.00000
.599	100.021	.02682	474.21634	.00000	.00000	.00000	.00000
.599	103.391	.01423	474.29452	.00000	.00000	.00000	.00000
	GRADIENT	.00023	-.00194	.00000	.00000	.00000	.00000

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SA-2F (8TPT-655) SRB (PPS007) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 25/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	80.164	-.00769	875.38443	.00000	.00000	.00000	.00000
1.198	81.145	-.00678	874.93154	.00000	.00000	.00000	.00000
1.199	83.150	-.01587	875.21169	.00000	.00000	.00000	.00000
1.199	85.087	-.01534	875.13980	.00000	.00000	.00000	.00000
1.199	87.067	-.01260	875.26842	.00000	.00000	.00000	.00000
1.199	89.087	-.01152	875.20413	.00000	.00000	.00000	.00000
1.199	90.936	-.01065	875.18269	.00000	.00000	.00000	.00000
1.199	92.942	-.01471	875.35405	.00000	.00000	.00000	.00000
1.200	94.904	-.01657	875.59679	.00000	.00000	.00000	.00000
1.200	96.837	-.01661	875.68211	.00000	.00000	.00000	.00000
1.200	98.849	-.01823	875.33111	.00000	.00000	.00000	.00000
1.200	100.798	-.01798	875.66852	.00000	.00000	.00000	.00000
1.199	102.690	-.02189	875.27600	.00000	.00000	.00000	.00000
1.199	103.946	-.02161	875.31885	.00000	.00000	.00000	.00000
	GRADIENT	-.00049	.01404	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB (PPS008) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 1/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.599	81.820	.00195	671.63783	.00000	.00000	.00000	.00000
.599	83.801	.00509	671.72906	.00000	.00000	.00000	.00000
.599	85.795	-.01420	671.38860	.00000	.00000	.00000	.00000
.600	87.924	-.00722	672.89997	.00000	.00000	.00000	.00000
.599	89.815	-.00051	671.56618	.00000	.00000	.00000	.00000
.600	90.093	-.00651	671.98153	.00000	.00000	.00000	.00000
.600	91.733	.00156	671.72253	.00000	.00000	.00000	.00000
.600	93.812	-.00434	672.05478	.00000	.00000	.00000	.00000
.600	95.839	-.02266	671.81213	.00000	.00000	.00000	.00000
.600	97.979	-.01306	672.64922	.00000	.00000	.00000	.00000
.599	100.285	-.00476	671.54659	.00000	.00000	.00000	.00000
.599	101.924	.00734	670.89334	.00000	.00000	.00000	.00000
.600	103.315	-.00700	672.48313	.00000	.00000	.00000	.00000
	GRADIENT	-.00019	.00367	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB (PPS009) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 3/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	79.714	-.00832	982.08338	.00000	.00000	.00000	.00000
.900	80.868	-.01422	983.18505	.00000	.00000	.00000	.00000
.899	82.706	-.02301	981.86371	.00000	.00000	.00000	.00000
.900	84.848	-.06212	982.17020	.00000	.00000	.00000	.00000
.900	86.707	-.07100	981.81816	.00000	.00000	.00000	.00000
.900	88.746	-.03889	982.16108	.00000	.00000	.00000	.00000
.900	90.792	-.04109	982.35770	.00000	.00000	.00000	.00000
.900	92.731	-.03012	982.29824	.00000	.00000	.00000	.00000
.900	94.571	-.01946	982.00568	.00000	.00000	.00000	.00000
.900	96.547	-.03689	982.34858	.00000	.00000	.00000	.00000
.900	98.523	-.04414	982.14285	.00000	.00000	.00000	.00000
.900	100.408	-.04426	982.14285	.00000	.00000	.00000	.00000
.900	102.229	-.04274	982.01480	.00000	.00000	.00000	.00000
	GRADIENT	-.00070	-.00991	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (PPS010) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 14/ 0 RN/L = .62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.403	79.041	-.00697	55.85717	.00000	.00000	.00000	.00000
.401	80.019	-.00757	55.49358	.00000	.00000	.00000	.00000
.401	81.986	-.00744	55.49526	.00000	.00000	.00000	.00000
.398	84.021	-.00575	54.77134	.00000	.00000	.00000	.00000
.399	85.997	-.00544	54.86277	.00000	.00000	.00000	.00000
.398	87.985	-.00510	54.68099	.00000	.00000	.00000	.00000
.398	89.915	-.00320	54.68262	.00000	.00000	.00000	.00000
.399	91.974	-.00364	54.95309	.00000	.00000	.00000	.00000
.400	93.963	-.00377	55.13369	.00000	.00000	.00000	.00000
.399	95.983	-.00357	55.04284	.00000	.00000	.00000	.00000
.399	97.843	-.00409	55.04284	.00000	.00000	.00000	.00000
.399	99.792	-.00490	55.04284	.00000	.00000	.00000	.00000
.400	101.921	-.00503	55.13313	.00000	.00000	.00000	.00000
.398	103.091	-.00542	54.77188	.00000	.00000	.00000	.00000
	GRADIENT	.00011	-.01944	.00000	.00000	.00000	.00000

RUN NO. 18/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	80.589	-.00098	79.04900	.00000	.00000	.00000	.00000
.599	82.615	-.00216	78.79983	.00000	.00000	.00000	.00000
.599	84.617	-.00240	78.79983	.00000	.00000	.00000	.00000
.599	86.646	-.00167	78.71510	.00000	.00000	.00000	.00000
.599	88.565	.00017	78.79983	.00000	.00000	.00000	.00000
.598	90.595	.00038	78.63036	.00000	.00000	.00000	.00000
.599	92.591	.00044	78.88454	.00000	.00000	.00000	.00000
.599	94.578	.00003	78.71510	.00000	.00000	.00000	.00000
.599	96.557	.00053	78.71510	.00000	.00000	.00000	.00000
.599	98.563	.00000	78.71510	.00000	.00000	.00000	.00000
.599	100.569	-.00136	78.79983	.00000	.00000	.00000	.00000
.598	103.044	-.00136	78.63036	.00000	.00000	.00000	.00000
	GRADIENT	.00005	-.00907	.00000	.00000	.00000	.00000

DATE 18 APR 74

TABULATED SOURCE DATA LARC 8-655/662 (SA-2FA/B)

(PPS010) (09 MAR 74)

SA-2F(8TPT-655)SRB WITH TRIP STRIPS

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 17/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.897	80.574	-.00144	106.98355	.00000	.00000	.00000	.00000
.897	82.590	-.00206	106.98355	.00000	.00000	.00000	.00000
.897	84.635	-.00133	106.98355	.00000	.00000	.00000	.00000
.897	86.592	-.00051	106.98355	.00000	.00000	.00000	.00000
.897	88.589	-.00025	106.98355	.00000	.00000	.00000	.00000
.897	90.595	-.00044	106.98355	.00000	.00000	.00000	.00000
.897	92.570	.00019	106.98355	.00000	.00000	.00000	.00000
.897	94.575	-.00053	107.05227	.00000	.00000	.00000	.00000
.897	96.559	-.00139	107.04325	.00000	.00000	.00000	.00000
.897	98.542	-.00074	107.04325	.00000	.00000	.00000	.00000
.897	100.554	-.00067	107.04325	.00000	.00000	.00000	.00000
.897	103.076	-.00240	106.97453	.00000	.00000	.00000	.00000
	GRADIENT	.00000	.00232	.00000	.00000	.00000	.00000

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SA-2F(8TPT-655)SRB WITH TRIP STRIPS (PPS012) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 15/ 0 RN/L = 1.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	79.067	-.00479	110.82839	.00000	.00000	.00000	.00000
.399	79.915	-.00498	110.10602	.00000	.00000	.00000	.00000
.398	81.948	-.00524	110.01733	.00000	.00000	.00000	.00000
.400	83.908	-.00423	110.83116	.00000	.00000	.00000	.00000
.399	85.764	-.00455	110.28776	.00000	.00000	.00000	.00000
.398	87.970	-.00505	109.56610	.00000	.00000	.00000	.00000
.398	89.947	-.00287	109.56610	.00000	.00000	.00000	.00000
.399	91.935	-.00297	110.19744	.00000	.00000	.00000	.00000
.400	93.982	-.00358	110.55866	.00000	.00000	.00000	.00000
.399	95.970	-.00418	110.46947	.00000	.00000	.00000	.00000
.399	97.898	-.00604	110.37862	.00000	.00000	.00000	.00000
.399	100.046	-.00614	110.28830	.00000	.00000	.00000	.00000
.402	101.854	-.00701	111.64385	.00000	.00000	.00000	.00000
.400	103.113	-.00563	110.73867	.00000	.00000	.00000	.00000
	GRADIENT	-.00005	.02272	.00000	.00000	.00000	.00000

RUN NO. 33/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	79.219	-.00664	158.45474	.00000	.00000	.00000	.00000
.600	79.961	-.00805	158.45474	.00000	.00000	.00000	.00000
.598	81.990	-.00797	157.45449	.00000	.00000	.00000	.00000
.599	84.136	-.01021	157.87823	.00000	.00000	.00000	.00000
.602	86.094	-.00816	159.11845	.00000	.00000	.00000	.00000
.602	88.326	-.00886	159.03387	.00000	.00000	.00000	.00000
.602	90.137	-.00935	159.03387	.00000	.00000	.00000	.00000
.600	91.954	-.00910	158.28869	.00000	.00000	.00000	.00000
.600	94.060	-.00791	158.37336	.00000	.00000	.00000	.00000
.602	95.897	-.00684	158.95260	.00000	.00000	.00000	.00000
.602	97.959	-.00434	159.20136	.00000	.00000	.00000	.00000
.601	99.838	-.00177	158.78669	.00000	.00000	.00000	.00000
.600	103.161	-.00281	158.28869	.00000	.00000	.00000	.00000
	GRADIENT	.00022	.02346	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (PPS012) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 13/ 0 RN/L = 1.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	79.232	.00078	214.13332	.00000	.00000	.00000	.00000
.899	80.138	-.00039	214.13332	.00000	.00000	.00000	.00000
.898	82.058	-.00081	214.06467	.00000	.00000	.00000	.00000
.898	83.961	-.00012	214.06467	.00000	.00000	.00000	.00000
.898	85.882	.00137	213.99602	.00000	.00000	.00000	.00000
.899	87.933	.00171	214.13332	.00000	.00000	.00000	.00000
.899	89.962	.00205	214.13332	.00000	.00000	.00000	.00000
.899	92.051	.00017	214.20196	.00000	.00000	.00000	.00000
.899	94.064	.00242	214.13332	.00000	.00000	.00000	.00000
.899	95.929	.00100	214.13332	.00000	.00000	.00000	.00000
.899	97.864	-.00305	214.20196	.00000	.00000	.00000	.00000
.900	99.861	-.00495	214.69133	.00000	.00000	.00000	.00000
.899	101.797	-.00592	214.48554	.00000	.00000	.00000	.00000
.899	103.187	-.00496	214.65005	.00000	.00000	.00000	.00000
	GRADIENT	-.00022	.02052	.00000	.00000	.00000	.00000

SA-2F(STPT-655)SRB WITH TRIP STRIPS (PPS013) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 32/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.399	79.000	-.00244	183.78117	.00000	.00000	.00000	.00000
.401	80.711	.00120	185.13536	.00000	.00000	.00000	.00000
.400	82.703	-.00084	184.41104	.00000	.00000	.00000	.00000
.399	84.606	.00004	183.87148	.00000	.00000	.00000	.00000
.400	86.723	.00238	184.23323	.00000	.00000	.00000	.00000
.401	88.718	-.00135	185.13536	.00000	.00000	.00000	.00000
.400	89.945	-.00258	184.68353	.00000	.00000	.00000	.00000
.399	90.701	-.00281	184.05099	.00000	.00000	.00000	.00000
.399	92.734	-.00116	183.77953	.00000	.00000	.00000	.00000
.399	94.679	-.00491	183.77953	.00000	.00000	.00000	.00000
.400	96.685	-.00679	184.86461	.00000	.00000	.00000	.00000
.400	98.639	-.00570	184.59215	.00000	.00000	.00000	.00000
.399	100.643	-.00703	183.59889	.00000	.00000	.00000	.00000
.399	103.146	-.00782	183.87148	.00000	.00000	.00000	.00000
	GRADIENT	-.00035	-.01654	.00000	.00000	.00000	.00000

RUN NO. 16/ 0 RN/L = 2.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	79.278	-.00785	263.86874	.00000	.00000	.00000	.00000
.600	79.676	-.00830	263.62453	.00000	.00000	.00000	.00000
.600	81.713	-.00918	263.54147	.00000	.00000	.00000	.00000
.600	83.883	-.00791	263.54147	.00000	.00000	.00000	.00000
.599	85.932	-.00776	263.43513	.00000	.00000	.00000	.00000
.600	87.898	-.01046	263.62126	.00000	.00000	.00000	.00000
.600	89.816	-.01546	263.62126	.00000	.00000	.00000	.00000
.600	91.720	-.01808	263.70431	.00000	.00000	.00000	.00000
.600	93.905	-.01739	263.70431	.00000	.00000	.00000	.00000
.600	95.918	-.01340	264.11945	.00000	.00000	.00000	.00000
.600	97.680	-.01275	263.62126	.00000	.00000	.00000	.00000
.600	99.800	-.01278	264.03972	.00000	.00000	.00000	.00000
.599	101.562	-.01332	263.04133	.00000	.00000	.00000	.00000
.599	103.132	-.01171	263.04133	.00000	.00000	.00000	.00000
	GRADIENT	-.00025	-.00884	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (PPS013) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 12/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.898	79.386	-.00327	356.35644	.00000	.00000	.00000	.00000
.898	80.013	-.00288	356.35644	.00000	.00000	.00000	.00000
.898	82.017	-.00403	356.35644	.00000	.00000	.00000	.00000
.898	83.950	-.00681	356.35644	.00000	.00000	.00000	.00000
.898	85.977	-.00396	356.35644	.00000	.00000	.00000	.00000
.898	87.983	-.00260	356.21908	.00000	.00000	.00000	.00000
.898	89.974	.00027	356.21908	.00000	.00000	.00000	.00000
.898	92.022	.00186	356.23717	.00000	.00000	.00000	.00000
.898	94.156	.00475	356.30586	.00000	.00000	.00000	.00000
.901	95.837	.00343	357.55541	.00000	.00000	.00000	.00000
.900	97.888	.00072	357.04359	.00000	.00000	.00000	.00000
.898	99.899	-.00372	356.41605	.00000	.00000	.00000	.00000
.898	101.775	-.00677	356.35644	.00000	.00000	.00000	.00000
.898	103.248	-.00403	356.35644	.00000	.00000	.00000	.00000
	GRADIENT	.00008	.01338	.00000	.00000	.00000	.00000

RUN NO. 27/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	79.388	-.00810	417.60587	.00000	.00000	.00000	.00000
1.199	79.897	-.00851	417.45024	.00000	.00000	.00000	.00000
1.199	81.900	-.01077	417.13251	.00000	.00000	.00000	.00000
1.200	83.867	-.00819	417.33262	.00000	.00000	.00000	.00000
1.200	85.915	-.00640	417.18910	.00000	.00000	.00000	.00000
1.200	87.835	-.00556	417.05925	.00000	.00000	.00000	.00000
1.200	89.807	-.00585	417.31127	.00000	.00000	.00000	.00000
1.200	91.815	-.00683	417.31127	.00000	.00000	.00000	.00000
1.200	93.754	-.00580	417.18006	.00000	.00000	.00000	.00000
1.201	95.750	-.00640	417.26454	.00000	.00000	.00000	.00000
1.199	97.700	-.00760	417.14007	.00000	.00000	.00000	.00000
1.200	99.671	-.00898	417.14398	.00000	.00000	.00000	.00000
1.199	103.472	-.00943	417.00864	.00000	.00000	.00000	.00000
	GRADIENT	.00002	-.01345	.00000	.00000	.00000	.00000

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SA-2F(8TPT-655)SRB WITH TRIP STRIPS (PPSD15) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 31/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.401	79.109	.07472	333.36938	.00000	.00000	.00000	.00000
.401	80.725	-.01945	333.56986	.00000	.00000	.00000	.00000
.401	82.739	-.02619	333.38827	.00000	.00000	.00000	.00000
.401	84.778	-.03073	333.29969	.00000	.00000	.00000	.00000
.400	86.736	-.03108	332.57599	.00000	.00000	.00000	.00000
.400	88.715	-.01349	332.93669	.00000	.00000	.00000	.00000
.400	90.694	-.01059	332.66736	.00000	.00000	.00000	.00000
.400	92.672	-.01169	331.94574	.00000	.00000	.00000	.00000
.400	94.648	-.01215	332.75762	.00000	.00000	.00000	.00000
.401	96.627	-.00967	333.48018	.00000	.00000	.00000	.00000
.401	98.653	-.02160	333.11809	.00000	.00000	.00000	.00000
.401	100.608	-.02553	333.11753	.00000	.00000	.00000	.00000
.400	103.166	-.02194	332.30629	.00000	.00000	.00000	.00000
	GRADIENT	-.00131	-.02780	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (PPSD16) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 28/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	79.995	-.00456	875.64889	.00000	.00000	.00000	.00000
1.199	81.999	-.00759	875.42098	.00000	.00000	.00000	.00000
1.198	83.931	-.00823	875.13336	.00000	.00000	.00000	.00000
1.199	85.965	-.00797	875.41209	.00000	.00000	.00000	.00000
1.199	87.892	-.00693	875.41209	.00000	.00000	.00000	.00000
1.199	89.805	-.00791	875.41209	.00000	.00000	.00000	.00000
1.199	91.733	-.00957	875.39068	.00000	.00000	.00000	.00000
1.200	93.717	-.00795	875.33111	.00000	.00000	.00000	.00000
1.200	95.671	-.00909	875.92820	.00000	.00000	.00000	.00000
1.199	97.565	-.01167	875.21759	.00000	.00000	.00000	.00000
1.199	99.602	-.01454	875.57096	.00000	.00000	.00000	.00000
1.200	103.675	-.01806	875.61218	.00000	.00000	.00000	.00000
	GRADIENT	-.00043	.00691	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (PPS017) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 30/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.599	79.541	-.02616	670.38171	.00000	.00000	.00000	.00000
.599	79.924	-.03015	671.05301	.00000	.00000	.00000	.00000
.599	81.696	-.02065	670.80373	.00000	.00000	.00000	.00000
.599	83.715	.00540	671.14098	.00000	.00000	.00000	.00000
.600	85.720	.02252	672.05314	.00000	.00000	.00000	.00000
.600	87.809	.00075	672.56618	.00000	.00000	.00000	.00000
.600	89.582	-.01633	672.14601	.00000	.00000	.00000	.00000
.600	91.555	-.02433	672.14111	.00000	.00000	.00000	.00000
.600	93.420	-.01849	672.89341	.00000	.00000	.00000	.00000
.599	95.360	-.02334	671.72416	.00000	.00000	.00000	.00000
.600	96.054	-.02062	672.80545	.00000	.00000	.00000	.00000
.600	98.165	-.00091	672.22416	.00000	.00000	.00000	.00000
.599	99.828	.00431	670.79722	.00000	.00000	.00000	.00000
.600	103.265	-.02123	672.89997	.00000	.00000	.00000	.00000
	GRADIENT	.00012	.06571	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH TRIP STRIPS (PPS018) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 29/ 0 RN/L = 5.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	79.989	-.00506	982.05126	.00000	.00000	.00000	.00000
.899	80.262	-.00337	981.92320	.00000	.00000	.00000	.00000
.900	82.166	-.00648	982.05126	.00000	.00000	.00000	.00000
.900	84.173	-.00091	982.41715	.00000	.00000	.00000	.00000
.900	86.220	-.01322	982.07427	.00000	.00000	.00000	.00000
.900	88.378	-.01253	982.13373	.00000	.00000	.00000	.00000
.900	89.987	-.00848	982.23878	.00000	.00000	.00000	.00000
.900	90.342	-.00595	982.29824	.00000	.00000	.00000	.00000
.900	98.975	.01065	981.95533	.00000	.00000	.00000	.00000
.900	100.116	.00900	981.96445	.00000	.00000	.00000	.00000
.900	103.644	-.00505	982.10162	.00000	.00000	.00000	.00000
	GRADIENT	.00052	-.00255	.00000	.00000	.00000	.00000

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SA-2F (STPT-655) SRB WITH STRAKES (PPS019) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 49/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	78.995	.15019	332.66903	.00000	.00000	.00000	.00000
.400	80.569	.15700	332.66792	.00000	.00000	.00000	.00000
.400	82.609	.19170	332.57876	.00000	.00000	.00000	.00000
.400	84.874	.25425	332.93869	.00000	.00000	.00000	.00000
.400	86.719	.27794	332.12409	.00000	.00000	.00000	.00000
.400	88.616	.25459	332.75762	.00000	.00000	.00000	.00000
.400	89.675	.24505	331.94463	.00000	.00000	.00000	.00000
.400	90.662	.21622	332.48683	.00000	.00000	.00000	.00000
.400	92.515	.20225	332.21657	.00000	.00000	.00000	.00000
.400	94.494	.18785	332.57655	.00000	.00000	.00000	.00000
.400	96.618	.16116	332.21547	.00000	.00000	.00000	.00000
.400	98.537	.16496	332.39657	.00000	.00000	.00000	.00000
.400	100.556	.12098	331.58404	.00000	.00000	.00000	.00000
.400	103.104	.08505	331.94519	.00000	.00000	.00000	.00000
	GRADIENT	-.00323	-.03327	.00000	.00000	.00000	.00000

RUN NO. 48/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	79.628	-.00185	672.63938	.00000	.00000	.00000	.00000
.600	81.652	.02543	673.05782	.00000	.00000	.00000	.00000
.600	83.957	.08193	673.48114	.00000	.00000	.00000	.00000
.600	85.939	.04189	672.64430	.00000	.00000	.00000	.00000
.600	88.005	.03380	673.31017	.00000	.00000	.00000	.00000
.600	89.944	.05112	672.22715	.00000	.00000	.00000	.00000
.600	91.974	.07296	672.47330	.00000	.00000	.00000	.00000
.601	93.934	.07302	673.64881	.00000	.00000	.00000	.00000
.601	95.893	.06487	673.98082	.00000	.00000	.00000	.00000
.600	97.863	.05806	673.56580	.00000	.00000	.00000	.00000
.600	99.682	.05406	672.98465	.00000	.00000	.00000	.00000
.600	103.938	-.01402	672.48149	.00000	.00000	.00000	.00000
	GRADIENT	.00020	.00693	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (PPS019) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 47/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	80.066	-.20439	982.87885	.00000	.00000	.00000	.00000
.900	81.470	-.21062	982.81029	.00000	.00000	.00000	.00000
.900	83.500	-.20807	982.58167	.00000	.00000	.00000	.00000
.900	85.613	-.19933	982.70968	.00000	.00000	.00000	.00000
.899	87.568	-.19509	981.29245	.00000	.00000	.00000	.00000
.900	89.848	-.17848	983.01596	.00000	.00000	.00000	.00000
.900	91.846	-.18460	982.28437	.00000	.00000	.00000	.00000
.900	93.688	-.19848	982.46276	.00000	.00000	.00000	.00000
.900	95.324	-.20522	983.09366	.00000	.00000	.00000	.00000
.901	97.600	-.20968	983.55969	.00000	.00000	.00000	.00000
.900	99.491	-.19432	983.38154	.00000	.00000	.00000	.00000
.900	103.555	-.19384	982.93827	.00000	.00000	.00000	.00000
	GRADIENT	.00037	.02895	.00000	.00000	.00000	.00000

RUN NO. 42/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	80.143	-.11889	875.77403	.00000	.00000	.00000	.00000
1.199	81.931	-.12155	875.87489	.00000	.00000	.00000	.00000
1.199	83.873	-.12533	875.79545	.00000	.00000	.00000	.00000
1.200	85.888	-.13168	875.96666	.00000	.00000	.00000	.00000
1.200	87.814	-.12658	875.85051	.00000	.00000	.00000	.00000
1.199	89.803	-.12714	875.83829	.00000	.00000	.00000	.00000
1.199	91.717	-.12654	875.74502	.00000	.00000	.00000	.00000
1.200	93.706	-.13136	876.20920	.00000	.00000	.00000	.00000
1.200	95.660	-.13061	876.10069	.00000	.00000	.00000	.00000
1.200	97.613	-.12929	876.06576	.00000	.00000	.00000	.00000
1.200	99.578	-.12503	876.18014	.00000	.00000	.00000	.00000
1.201	103.986	-.12284	876.43556	.00000	.00000	.00000	.00000
	GRADIENT	-.00016	.02383	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (PPS020) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	2.000	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 37/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.398	79.102	.07946	182.69328	.00000	.00000	.00000	.00000
.398	80.519	.03694	182.51363	.00000	.00000	.00000	.00000
.398	82.475	.03874	183.05580	.00000	.00000	.00000	.00000
.399	84.430	.03846	183.32682	.00000	.00000	.00000	.00000
.398	86.407	.04031	182.87509	.00000	.00000	.00000	.00000
.398	88.483	.04582	182.69328	.00000	.00000	.00000	.00000
.397	90.558	.05079	182.42217	.00000	.00000	.00000	.00000
.398	92.682	.05405	182.51363	.00000	.00000	.00000	.00000
.398	94.458	.05710	182.51363	.00000	.00000	.00000	.00000
.398	96.404	.05736	182.60401	.00000	.00000	.00000	.00000
.398	98.519	.05549	182.87509	.00000	.00000	.00000	.00000
.398	100.705	.05430	182.96545	.00000	.00000	.00000	.00000
.398	103.209	.06300	182.51363	.00000	.00000	.00000	.00000
	GRADIENT	.00045	-.00741	.00000	.00000	.00000	.00000

RUN NO. 38/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.601	79.193	.03376	264.52945	.00000	.00000	.00000	.00000
.600	79.910	.03396	263.69939	.00000	.00000	.00000	.00000
.600	81.853	.03730	264.12439	.00000	.00000	.00000	.00000
.601	83.923	.03914	264.45143	.00000	.00000	.00000	.00000
.601	85.874	.04099	264.20575	.00000	.00000	.00000	.00000
.600	87.927	.04299	264.20904	.00000	.00000	.00000	.00000
.601	89.900	.04092	264.37340	.00000	.00000	.00000	.00000
.601	91.900	.03616	264.37340	.00000	.00000	.00000	.00000
.601	93.848	.01971	264.45639	.00000	.00000	.00000	.00000
.601	95.747	.00065	263.95670	.00000	.00000	.00000	.00000
.600	97.780	-.01085	264.21069	.00000	.00000	.00000	.00000
.600	99.727	-.01398	263.95670	.00000	.00000	.00000	.00000
.601	103.229	-.02188	264.29205	.00000	.00000	.00000	.00000
	GRADIENT	-.00264	-.00088	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB WITH STRAKES (PPS02D) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	2.000	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 39/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	79.396	.10760	357.05205	.00000	.00000	.00000	.00000
.899	79.942	.10696	357.17112	.00000	.00000	.00000	.00000
.899	82.109	.10821	357.10250	.00000	.00000	.00000	.00000
.899	84.176	.10657	357.10250	.00000	.00000	.00000	.00000
.899	86.131	.10533	357.37695	.00000	.00000	.00000	.00000
.899	88.029	.10364	357.03388	.00000	.00000	.00000	.00000
.899	89.937	.10598	357.37695	.00000	.00000	.00000	.00000
.899	91.890	.10165	357.30835	.00000	.00000	.00000	.00000
.899	93.823	.10118	357.17112	.00000	.00000	.00000	.00000
.899	95.802	.09911	357.37695	.00000	.00000	.00000	.00000
.900	97.788	.09473	357.40911	.00000	.00000	.00000	.00000
.900	99.863	.09057	357.45945	.00000	.00000	.00000	.00000
.900	103.283	.08519	357.66516	.00000	.00000	.00000	.00000
	GRADIENT	-.00086	.01983	.00000	.00000	.00000	.00000

RUN NO. 40/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	79.550	.13425	417.25317	.00000	.00000	.00000	.00000
1.198	81.990	.13116	416.84488	.00000	.00000	.00000	.00000
1.197	83.811	.13112	416.72803	.00000	.00000	.00000	.00000
1.198	85.891	.13023	416.98428	.00000	.00000	.00000	.00000
1.197	87.812	.13045	416.83054	.00000	.00000	.00000	.00000
1.198	89.795	.12938	417.09715	.00000	.00000	.00000	.00000
1.199	91.788	.13041	417.16151	.00000	.00000	.00000	.00000
1.199	93.782	.13332	417.24716	.00000	.00000	.00000	.00000
1.200	95.669	.13296	417.23767	.00000	.00000	.00000	.00000
1.201	97.694	.13214	417.41007	.00000	.00000	.00000	.00000
1.202	99.686	.12931	417.58781	.00000	.00000	.00000	.00000
1.202	101.585	.12434	417.56661	.00000	.00000	.00000	.00000
1.202	103.501	.12120	417.40767	.00000	.00000	.00000	.00000
	GRADIENT	-.00029	.02818	.00000	.00000	.00000	.00000

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SA-2F(8TPT-655)SRB WITH STRAKES (PPS021) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	3.600	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 36/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	79.196	.78442	332.57821	.00000	.00000	.00000	.00000
.400	79.951	.78146	331.76075	.00000	.00000	.00000	.00000
.400	81.563	.76750	331.66936	.00000	.00000	.00000	.00000
.399	83.524	.73693	331.39849	.00000	.00000	.00000	.00000
.399	85.912	.74479	331.12869	.00000	.00000	.00000	.00000
.399	87.938	.75678	331.39794	.00000	.00000	.00000	.00000
.399	89.734	.76922	331.30874	.00000	.00000	.00000	.00000
.399	92.083	.78146	331.39904	.00000	.00000	.00000	.00000
.400	93.762	.77086	331.48933	.00000	.00000	.00000	.00000
.399	95.718	.77226	331.30819	.00000	.00000	.00000	.00000
.400	97.903	.77174	331.58018	.00000	.00000	.00000	.00000
.400	99.618	.75058	331.48823	.00000	.00000	.00000	.00000
.399	103.191	.73680	330.94643	.00000	.00000	.00000	.00000
	GRADIENT	-.00065	-.02921	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (PPS022) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	4.200	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 41/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	80.154	.30376	876.02307	.00000	.00000	.00000	.00000
1.199	81.928	.29623	875.34510	.00000	.00000	.00000	.00000
1.199	83.897	.28964	875.36300	.00000	.00000	.00000	.00000
1.199	85.937	.28812	875.50041	.00000	.00000	.00000	.00000
1.199	87.950	.28824	875.45751	.00000	.00000	.00000	.00000
1.199	89.935	.29407	875.58616	.00000	.00000	.00000	.00000
1.199	91.753	.29278	875.52186	.00000	.00000	.00000	.00000
1.199	93.752	.29065	875.68701	.00000	.00000	.00000	.00000
1.199	95.661	.28925	875.62899	.00000	.00000	.00000	.00000
1.199	97.560	.28941	875.67181	.00000	.00000	.00000	.00000
1.200	99.671	.28704	875.82147	.00000	.00000	.00000	.00000
1.199	101.582	.27912	875.67181	.00000	.00000	.00000	.00000
1.200	103.963	.27244	875.92995	.00000	.00000	.00000	.00000
	GRADIENT	-.00079	.01100	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (PPS023) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	5.100	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 35/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.599	79.575	.74480	671.39023	.00000	.00000	.00000	.00000
.599	81.827	.74868	670.95363	.00000	.00000	.00000	.00000
.600	83.722	.76050	671.71273	.00000	.00000	.00000	.00000
.600	85.843	.72959	671.71763	.00000	.00000	.00000	.00000
.600	87.879	.69467	672.22252	.00000	.00000	.00000	.00000
.600	89.808	.68545	671.88539	.00000	.00000	.00000	.00000
.600	91.630	.69186	672.30066	.00000	.00000	.00000	.00000
.599	93.958	.72075	671.55149	.00000	.00000	.00000	.00000
.600	95.903	.73234	671.72090	.00000	.00000	.00000	.00000
.601	97.854	.73701	673.55757	.00000	.00000	.00000	.00000
.599	100.160	.79879	671.37555	.00000	.00000	.00000	.00000
.600	103.478	.80739	672.63938	.00000	.00000	.00000	.00000
	GRADIENT	.00193	.04790	.00000	.00000	.00000	.00000

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SA-2F(8TPT-655)SRB WITH STRAKES (PPS024) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	5.500	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 34/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	80.155	.40695	980.78820	.00000	.00000	.00000	.00000
.899	82.355	.40128	981.67613	.00000	.00000	.00000	.00000
.899	84.193	.40042	981.60752	.00000	.00000	.00000	.00000
.899	86.080	.41869	981.60752	.00000	.00000	.00000	.00000
.899	88.416	.39006	981.40170	.00000	.00000	.00000	.00000
.899	90.327	.38450	981.47031	.00000	.00000	.00000	.00000
.899	92.170	.38136	981.74473	.00000	.00000	.00000	.00000
.899	94.220	.36937	981.67613	.00000	.00000	.00000	.00000
.900	96.415	.35361	981.61816	.00000	.00000	.00000	.00000
.900	98.245	.35869	982.19318	.00000	.00000	.00000	.00000
.899	100.224	.36336	981.67186	.00000	.00000	.00000	.00000
.900	102.271	.36408	982.02392	.00000	.00000	.00000	.00000
.900	103.696	.37207	981.74957	.00000	.00000	.00000	.00000
	GRADIENT	-.00228	.02986	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (PPS025) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 46/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	79.056	.26998	332.02938	.00000	.00000	.00000	.00000
.399	81.047	.20274	331.39573	.00000	.00000	.00000	.00000
.400	82.712	.17223	332.02938	.00000	.00000	.00000	.00000
.400	84.733	.16080	331.84938	.00000	.00000	.00000	.00000
.399	86.727	.17130	331.03564	.00000	.00000	.00000	.00000
.400	88.819	.19720	331.48713	.00000	.00000	.00000	.00000
.399	90.694	.20649	331.30488	.00000	.00000	.00000	.00000
.400	92.637	.20452	331.75688	.00000	.00000	.00000	.00000
.400	94.640	.16325	331.84772	.00000	.00000	.00000	.00000
.400	96.731	.13877	331.93800	.00000	.00000	.00000	.00000
.400	98.738	.13557	332.57044	.00000	.00000	.00000	.00000
.400	100.843	.14172	331.39518	.00000	.00000	.00000	.00000
.399	103.514	.22943	331.21569	.00000	.00000	.00000	.00000
	GRADIENT	-.00201	-.00204	.00000	.00000	.00000	.00000

RUN NO. 45/ 0 RN/L = 5.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.599	79.454	-.00627	671.40328	.00000	.00000	.00000	.00000
.600	79.915	-.00748	672.32031	.00000	.00000	.00000	.00000
.599	81.783	.00034	670.72551	.00000	.00000	.00000	.00000
.599	83.799	-.01246	670.81186	.00000	.00000	.00000	.00000
.599	85.872	-.00725	670.98620	.00000	.00000	.00000	.00000
.600	87.763	-.02046	672.15910	.00000	.00000	.00000	.00000
.599	89.908	-.02741	671.06441	.00000	.00000	.00000	.00000
.599	91.912	-.03978	670.55930	.00000	.00000	.00000	.00000
.599	94.101	-.06211	670.64728	.00000	.00000	.00000	.00000
.599	95.929	-.05977	671.31693	.00000	.00000	.00000	.00000
.600	97.935	-.08171	673.65539	.00000	.00000	.00000	.00000
.599	99.724	-.07150	670.63265	.00000	.00000	.00000	.00000
.598	103.855	-.06537	669.39228	.00000	.00000	.00000	.00000
	GRADIENT	-.00342	-.02984	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB WITH STRAKES (PPS025) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	1.100
AFTSTK =	1.100	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 44/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	80.025	-.23892	982.59992	.00000	.00000	.00000	.00000
.900	82.219	-.23274	983.01596	.00000	.00000	.00000	.00000
.900	84.284	-.22622	982.86971	.00000	.00000	.00000	.00000
.899	86.331	-.21556	982.05555	.00000	.00000	.00000	.00000
.900	88.309	-.22164	982.42627	.00000	.00000	.00000	.00000
.900	90.179	-.22874	982.82855	.00000	.00000	.00000	.00000
.900	92.605	-.22565	982.75086	.00000	.00000	.00000	.00000
.900	94.170	-.22231	983.07538	.00000	.00000	.00000	.00000
.900	96.411	-.24037	983.19420	.00000	.00000	.00000	.00000
.900	98.086	-.25112	982.71433	.00000	.00000	.00000	.00000
.900	99.780	-.28601	982.98855	.00000	.00000	.00000	.00000
.900	104.008	-.29153	983.26274	.00000	.00000	.00000	.00000
	GRADIENT	-.00233	.02338	.00000	.00000	.00000	.00000

RUN NO. 43/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	79.970	-.22698	876.30411	.00000	.00000	.00000	.00000
1.199	81.980	-.22751	875.85208	.00000	.00000	.00000	.00000
1.199	83.911	-.22692	875.80928	.00000	.00000	.00000	.00000
1.199	85.938	-.22862	875.65173	.00000	.00000	.00000	.00000
1.199	87.876	-.23001	875.78026	.00000	.00000	.00000	.00000
1.199	89.804	-.22501	875.89486	.00000	.00000	.00000	.00000
1.199	91.723	-.22441	875.87547	.00000	.00000	.00000	.00000
1.200	93.692	-.22543	876.20920	.00000	.00000	.00000	.00000
1.201	95.738	-.22492	876.34268	.00000	.00000	.00000	.00000
1.201	97.717	-.22529	876.30014	.00000	.00000	.00000	.00000
1.200	99.551	-.22885	876.07937	.00000	.00000	.00000	.00000
1.201	103.958	-.23445	876.52840	.00000	.00000	.00000	.00000
	GRADIENT	-.00011	.02236	.00000	.00000	.00000	.00000

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SA-2F(8TPT-655)SRB (PPS026) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 120/ 0 RN/L = 3.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.399	-1.135	-.00460	330.94698	-.12123	-.11622	-.14713	-.14674
.399	.922	-.00498	331.12869	-.12297	-.12072	-.14479	-.14764
.401	2.925	-.00488	333.20388	-.12305	-.12355	-.14687	-.15139
.399	5.036	-.00208	331.40014	-.12599	-.12578	-.15244	-.15798
.399	7.011	-.00199	330.13357	-.13216	-.13124	-.15882	-.16430
.399	9.030	.00196	330.31586	-.14325	-.13922	-.16605	-.17013
.400	10.052	.00490	331.49044	-.15010	-.14419	-.16935	-.17248
.399	10.861	.00506	330.31422	-.15248	-.14799	-.17192	-.17447
.400	12.867	.00567	331.58073	-.15962	-.15480	-.17659	-.17784
.399	15.165	.00486	331.21734	-.16456	-.16070	-.18285	-.18295
.399	17.285	.00935	330.67605	-.16623	-.16369	-.18886	-.18827
.399	19.367	.00713	330.22389	-.16727	-.16485	-.19472	-.19392
.399	21.167	.00920	330.65722	-.16795	-.16385	-.20000	-.19925
.399	23.266	-.00244	331.39959	-.16902	-.15931	-.20771	-.20628
	GRADIENT	-.00007	.55379	-.00045	-.00181	.00007	-.00114

RUN NO. 121/ 0 RN/L = 5.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.599	-1.159	-.00557	671.47331	-.12866	-.12399	-.15195	-.15104
.599	.871	-.00725	671.72580	-.13026	-.13008	-.14947	-.15169
.599	2.956	-.00624	671.12958	-.12731	-.13103	-.15144	-.15599
.599	5.161	-.00651	671.22081	-.13149	-.13492	-.15749	-.16350
.600	7.003	-.00042	672.83989	-.13957	-.14036	-.16368	-.16901
.601	9.044	.00106	673.74005	-.14941	-.14921	-.17053	-.17449
.601	9.997	.00569	675.49090	-.15591	-.15419	-.17374	-.17677
.600	11.072	.00903	673.16220	-.16197	-.15932	-.17686	-.17879
.600	13.201	.01020	672.99449	-.16931	-.16732	-.18155	-.18233
.600	15.321	.01169	673.32661	-.17575	-.17371	-.18692	-.18703
.600	17.375	.00772	673.41292	-.17896	-.17681	-.19195	-.19173
.600	19.359	.00925	673.25016	-.18007	-.17768	-.19729	-.19728
.600	21.517	.00121	673.08081	-.18106	-.17903	-.20433	-.20390
.600	23.585	-.01391	673.16220	-.18439	-.18047	-.21247	-.21121
	GRADIENT	-.00016	-.08445	.00033	-.00171	.00012	-.00121

SA-2F(8TPT-655)SRB (PPS026) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 122/ 0 RN/L = 6.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	-1.174	-.00569	1006.51960	-.11686	-.11348	-.13964	-.13819
.801	1.054	-.00931	1007.18335	-.11761	-.12126	-.13713	-.13953
.800	3.171	-.00686	1006.34778	-.11711	-.12407	-.14379	-.14913
.800	5.066	-.00928	1005.21847	-.12349	-.13043	-.15047	-.15664
.800	7.504	-.00218	1005.98747	-.13588	-.14158	-.15902	-.16370
.800	9.221	.00242	1005.20554	-.14511	-.14992	-.16372	-.16705
.800	10.360	.00420	1005.91414	-.15357	-.15701	-.16811	-.17009
.799	11.219	.00834	1004.79718	-.15739	-.16017	-.17001	-.17164
.800	13.411	-.00630	1005.93930	-.16751	-.16837	-.17530	-.17582
.800	15.361	-.03247	1005.73815	-.17431	-.17479	-.18044	-.17997
.800	17.589	-.06126	1006.42740	-.18109	-.18142	-.18635	-.18528
.800	19.650	-.07718	1006.39184	-.18700	-.18663	-.19150	-.19078
.800	21.923	-.05664	1005.33577	-.19277	-.19265	-.19794	-.19801
.799	24.068	-.01418	1004.76146	-.19941	-.19895	-.20584	-.20584
	GRADIENT	-.00026	-.03660	.00040	-.00245	-.00094	-.00250

RUN NO. 119/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	-1.155	-.00688	982.95190	-.13129	-.12652	-.15035	-.14941
.899	.804	-.00695	981.21899	-.13095	-.13422	-.14835	-.14963
.899	2.859	-.00726	981.39176	-.12709	-.13468	-.15244	-.15630
.899	5.071	-.00689	981.24034	-.13466	-.14178	-.16101	-.16594
.898	7.014	-.00798	980.36073	-.14569	-.15231	-.16954	-.17336
.899	9.112	-.00718	981.84483	-.15854	-.16586	-.17775	-.17922
.899	10.127	-.00657	981.97785	-.16465	-.17178	-.18079	-.18122
.899	11.227	-.01471	981.98206	-.17070	-.17743	-.18304	-.18349
.899	13.212	-.03832	981.72652	-.18172	-.18677	-.18917	-.18857
.899	15.371	-.06552	981.84064	-.18989	-.19298	-.19531	-.19329
.899	17.461	-.09815	982.11504	-.19612	-.19838	-.20058	-.19831
.899	19.529	-.11662	981.90014	-.20173	-.20339	-.20513	-.20322
.898	21.990	-.03677	980.47997	-.20853	-.20918	-.21220	-.20952
.899	24.023	-.03640	981.55218	-.21407	-.21425	-.21717	-.21619
	GRADIENT	-.00010	-.38481	.00105	-.00202	-.00053	-.00173

ORIGINAL PAGE IS
OF POOR QUALITY

SA-2F(8TPT-655)SRS (PPS026) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 118/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.000	-1.156	-.00290	933.72738	-.17417	(illegible)6624	-.19876	-.19796
.999	.988	-.00377	933.26494	-.17351	-.(illegible)7316	-.19608	-.19730
1.000	2.846	-.00418	933.70757	-.17447	-.1(illegible)9214	-.20796	-.21157
1.000	4.977	-.00345	933.91978	-.18537	-.19233	-.21985	-.22349
.999	7.042	.00150	932.84127	-.20048	-.20683	-.22998	-.23262
1.000	9.173	.00966	933.92639	-.21265	-.22140	-.23795	-.23954
1.000	10.099	.00510	933.85566	-.21879	-.22730	-.24039	-.24132
1.000	11.263	.00819	933.99712	-.22542	-.23233	-.24193	-.24270
.999	13.684	.01270	932.75739	-.23870	-.24006	-.24622	-.24659
1.000	15.553	.00929	933.65664	-.24296	-.24276	-.24904	-.24912
.999	17.685	.00589	932.95681	-.24715	-.24610	-.25250	-.25265
.999	19.845	.00814	933.14305	-.25264	-.25058	-.25599	-.25590
1.000	22.015	.01116	933.61224	-.25747	-.25402	-.25946	-.25851
.998	24.209	.01216	932.26846	-.26389	-.26058	-.26587	-.26470
	GRADIENT	-.00010	.04866	-.00171	-.00408	-.00368	-.00446

RUN NO. 117/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	-1.266	-.00337	874.90784	-.15528	-.14778	-.17387	-.17355
1.199	.935	-.00428	874.95068	-.14564	-.15250	-.16944	-.16968
1.200	3.049	-.00643	875.10045	-.14322	-.14813	-.17629	-.17771
1.199	5.079	-.00548	874.74756	-.14837	-.15664	-.17900	-.18030
1.199	7.046	-.00127	874.94922	-.15684	-.16517	-.18085	-.18167
1.199	9.166	.00817	874.94922	-.16761	-.17483	-.18917	-.18995
1.200	10.153	.00777	876.06386	-.18033	-.18370	-.19204	-.19193
1.200	11.164	.01077	875.05004	-.18563	-.18562	-.19288	-.19263
1.200	13.372	.00906	875.05004	-.19070	-.18848	-.19484	-.19445
1.200	15.591	.00805	875.10045	-.19292	-.19061	-.19568	-.19586
1.199	17.820	.00583	875.03630	-.19516	-.19344	-.19783	-.19762
1.199	19.795	.00330	875.15237	-.19742	-.19607	-.20036	-.19994
1.201	20.934	.00333	877.40008	-.20129	-.20004	-.20345	-.20382
1.201	22.068	.00265	875.50321	-.20549	-.20243	-.20584	-.20732
1.200	24.244	.00018	875.97663	-.21028	-.20569	-.21035	-.21168
	GRADIENT	-.00071	.04447	.00281	-.00010	-.00054	-.00095

SA-2F (8TPT-655) SRB (PPS027) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 116/ 0 RN/L = 3.73 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	19.039	-.00057	332.30463	-.16277	-.15314	-.18875	-.18828
.401	21.176	.00981	333.02784	-.16294	-.15166	-.19420	-.19449
.401	23.213	.00865	333.11697	-.16397	-.15031	-.20057	-.19995
.400	25.258	.01315	332.75707	-.16770	-.15009	-.20730	-.20636
.400	27.266	.02666	332.66625	-.17512	-.15717	-.21413	-.21240
.400	29.386	.02539	331.85104	-.18660	-.16659	-.22152	-.22091
.400	30.349	.02885	331.94353	-.19335	-.17312	-.22527	-.22445
.400	31.381	.02796	332.12409	-.19934	-.17806	-.22992	-.23033
.400	33.445	.00982	332.12409	-.21222	-.19084	-.23874	-.24016
.400	35.472	-.00190	332.03325	-.22110	-.20511	-.25583	-.25821
.400	37.505	-.06271	332.12409	-.23297	-.23361	-.27018	-.27277
.400	39.545	-.10109	332.57655	-.23947	-.25551	-.28339	-.28272
.400	41.655	-.14287	332.48683	-.24167	-.26118	-.29381	-.28842
.400	43.604	-.16276	331.94353	-.23941	-.25918	-.30034	-.29042
	GRADIENT	-.00670	-.02599	-.00394	-.00531	-.00480	-.00463

RUN NO. 115/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.601	19.216	-.00324	673.74169	-.17463	-.16950	-.19008	-.19051
.600	21.457	.00738	672.38534	-.17571	-.17045	-.19695	-.19730
.600	23.545	.01386	672.90490	-.17804	-.16937	-.20338	-.20324
.599	25.565	.00784	671.39513	-.18590	-.17563	-.21129	-.21102
.599	27.699	.00474	671.47168	-.19809	-.18677	-.21892	-.21935
.599	29.773	-.04580	671.64599	-.20936	-.19848	-.22658	-.22849
.599	30.837	-.07853	671.57107	-.21605	-.20542	-.23238	-.23462
.599	31.872	-.12509	671.61703	-.22269	-.21296	-.23841	-.24111
.599	34.066	-.23725	671.57107	-.23740	-.22769	-.25352	-.25899
.600	36.182	-.41211	672.15256	-.24484	-.23834	-.27018	-.27333
.599	38.296	-.51460	671.81866	-.24851	-.24160	-.28104	-.27910
.600	40.472	-.05048	672.99285	-.25359	-.24328	-.29011	-.28652
.599	42.707	.28673	671.57597	-.24896	-.26545	-.29864	-.29207
	GRADIENT	-.00631	-.03548	-.00401	-.00440	-.00492	-.00477

SA-2F(8TPT-655)SRB (PPS027) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8540 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 114/ 0 RN/L = 6.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	19.330	-.04477	1006.49442	-.17864	-.17851	-.18303	-.18301
.800	21.734	-.05481	1006.63474	-.18456	-.18389	-.18945	-.18967
.800	23.891	-.03729	1006.00005	-.19151	-.18995	-.19747	-.19770
.800	26.036	-.00856	1005.98747	-.19959	-.19729	-.20600	-.20641
.800	28.247	-.02984	1005.73815	-.20869	-.20566	-.21501	-.21643
.799	30.421	-.11817	1004.52882	-.21866	-.21588	-.22474	-.22670
.800	31.545	-.16209	1006.00005	-.22470	-.22198	-.23034	-.23352
.799	32.642	-.27495	1004.68809	-.23053	-.22848	-.23691	-.24121
.800	34.889	-.51709	1006.03778	-.23611	-.23628	-.25482	-.25559
.800	37.143	-.38682	1005.63339	-.23652	-.23042	-.26078	-.25850
.800	39.386	-.07993	1005.23103	-.23909	-.22904	-.26280	-.26414
.800	41.724	.04706	1006.01263	-.23911	-.22702	-.27024	-.26834
	GRADIENT	-.00793	-.04014	-.00308	-.00265	-.00425	-.00421

RUN NO. 113/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	19.516	-.13743	982.80575	-.19159	-.19331	-.19575	-.19282
.900	21.651	-.12225	981.62630	-.19803	-.19880	-.20190	-.19921
.898	23.843	-.06268	979.77274	-.20423	-.20399	-.20745	-.20617
.899	26.047	-.07921	981.76294	-.21197	-.21069	-.21521	-.21480
.899	28.247	-.07705	981.48851	-.22377	-.22247	-.22667	-.22703
.900	30.491	-.08833	982.09250	-.23505	-.23316	-.23749	-.23825
.900	31.659	-.19261	982.22055	-.24240	-.24206	-.24439	-.24738
.900	32.744	-.12051	982.11548	-.24500	-.24520	-.24731	-.25089
.900	35.012	.09685	982.44471	-.24943	-.25057	-.25375	-.25713
.899	37.357	.09917	980.90815	-.24998	-.24703	-.26483	-.26548
.901	39.790	.09895	985.10273	-.24576	-.23971	-.27845	-.27429
	GRADIENT	.01086	.03661	-.00324	-.00301	-.00413	-.00427

SA-2F(8TPT-655)SRB (PPS027) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 112/ 0 RN/L = 4.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.000	19.547	.00792	933.51982	-.23044	-.22822	-.23358	-.23449
1.000	21.811	.01938	933.59054	-.23690	-.23256	-.23817	-.23850
1.000	24.014	.01358	933.66126	-.24217	-.23712	-.24309	-.24316
1.000	26.197	.01336	933.73198	-.25172	-.24877	-.25373	-.25289
1.000	28.477	.01385	933.51982	-.26124	-.25878	-.26244	-.26306
.999	30.722	.00626	932.88475	-.26607	-.25970	-.27027	-.27124
.999	31.896	.00406	932.84019	-.26463	-.25642	-.27345	-.27393
.998	33.037	-.01531	932.04241	-.26575	-.25720	-.27645	-.27729
1.000	35.383	.00377	933.10367	-.26682	-.25896	-.28501	-.28459
1.000	36.578	-.00470	933.59716	-.26936	-.26351	-.29546	-.29456
	GRADIENT	-.00121	-.04521	-.00237	-.00207	-.00356	-.00352

RUN NO. 111/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	19.646	.00874	875.90686	-.18030	-.17829	-.18188	-.18191
1.200	21.830	.01278	875.92820	-.19127	-.18724	-.19197	-.19207
1.200	24.050	.00972	875.92820	-.20162	-.19557	-.20168	-.20207
1.200	26.266	.00606	875.97859	-.20633	-.19978	-.20656	-.20707
1.200	28.562	.00372	875.97859	-.20872	-.20096	-.21297	-.21288
1.200	30.837	-.00682	875.87187	-.20563	-.19699	-.22045	-.21877
1.200	31.992	-.00442	875.92227	-.20988	-.21942	-.23146	-.23209
1.200	33.121	-.00732	875.94362	-.21062	-.21867	-.23442	-.23361
1.200	35.408	-.00726	876.06386	-.21519	-.21618	-.24105	-.23947
1.200	37.675	-.03801	876.11424	-.22450	-.22623	-.24750	-.24501
1.199	39.938	-.03726	875.70082	-.23725	-.24679	-.25857	-.25552
1.199	42.212	-.03991	875.81542	-.24527	-.26072	-.26541	-.26285
1.199	44.446	-.03575	875.78639	-.24561	-.26491	-.26593	-.26624
1.200	46.822	-.02636	875.87955	-.24203	-.26033	-.26100	-.26669
	GRADIENT	-.00210	-.00411	-.00231	-.00327	-.00325	-.00327

SA-2F (8TPT-655) SRB (FPS020) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.021 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 102/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CP1	CP2	CP3	CP4
.399	39.143	.16245	331.39738	.00000	.00000	.00000	.00000
.400	41.174	.22482	332.02717	.00000	.00000	.00000	.00000
.400	43.095	.29947	332.11966	.00000	.00000	.00000	.00000
.400	45.400	.38952	332.39047	.00000	.00000	.00000	.00000
.400	47.311	.45994	331.75854	.00000	.00000	.00000	.00000
.400	49.112	.46278	331.64827	.00000	.00000	.00000	.00000
.400	51.218	.49741	332.30076	.00000	.00000	.00000	.00000
.400	53.117	.39393	331.84772	.00000	.00000	.00000	.00000
.400	55.096	.37518	332.11966	.00000	.00000	.00000	.00000
.400	57.015	.40163	331.48825	.00000	.00000	.00000	.00000
.399	59.423	.30109	330.85392	.00000	.00000	.00000	.00000
.400	61.292	.30357	331.48713	.00000	.00000	.00000	.00000
.400	63.155	.29892	332.11966	.00000	.00000	.00000	.00000
	GRADIENT	.00284	-.01501	.00000	.00000	.00000	.00000

RUN NO. 103/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CP1	CP2	CP3	CP4
.599	39.344	.71062	671.05790	.00000	.00000	.00000	.00000
.599	41.252	.73730	671.56292	.00000	.00000	.00000	.00000
.599	43.265	.79166	670.97480	.00000	.00000	.00000	.00000
.599	45.767	.71445	671.73396	.00000	.00000	.00000	.00000
.599	47.439	.38251	671.72906	.00000	.00000	.00000	.00000
.599	49.399	.04105	671.64925	.00000	.00000	.00000	.00000
.599	52.288	-.07260	670.63590	.00000	.00000	.00000	.00000
.599	54.017	-.13219	671.56455	.00000	.00000	.00000	.00000
.600	55.389	-.10600	671.09847	.00000	.00000	.00000	.00000
.599	57.494	-.06935	671.14587	.00000	.00000	.00000	.00000
.599	59.409	-.06999	670.47944	.00000	.00000	.00000	.00000
.599	61.477	-.07145	670.64728	.00000	.00000	.00000	.00000
.599	63.564	-.05402	671.15076	.00000	.00000	.00000	.00000
	GRADIENT	-.04334	-.02060	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB (PPS028) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTCRKS =	.000

RUN NO. 101/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.799	39.629	.07770	1003.89171	.00000	.00000	.00000	.00000
.800	41.732	.06320	1005.50557	.00000	.00000	.00000	.00000
.799	43.903	.14523	1004.72382	.00000	.00000	.00000	.00000
.800	45.858	.03544	1005.11571	.00000	.00000	.00000	.00000
.799	48.269	.05402	1004.65860	.00000	.00000	.00000	.00000
.800	50.017	.05861	1005.36088	.00000	.00000	.00000	.00000
.799	50.375	.06357	1004.88309	.00000	.00000	.00000	.00000
.799	52.008	.04842	1004.68182	.00000	.00000	.00000	.00000
.799	54.481	.02756	1004.63979	.00000	.00000	.00000	.00000
.799	57.124	-.04486	1004.51185	.00000	.00000	.00000	.00000
.800	58.013	-.00736	1005.75700	.00000	.00000	.00000	.00000
.799	60.440	.00418	1005.20789	.00000	.00000	.00000	.00000
.800	62.204	.01709	1005.19534	.00000	.00000	.00000	.00000
.799	64.235	.01221	1004.42770	.00000	.00000	.00000	.00000
	GRADIENT	-.00417	.01189	.00000	.00000	.00000	.00000

RUN NO. 104/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	39.717	.10753	982.28000	.00000	.00000	.00000	.00000
.899	41.868	.00828	981.00820	.00000	.00000	.00000	.00000
.899	43.887	.06134	981.72652	.00000	.00000	.00000	.00000
.900	46.248	.07076	982.13373	.00000	.00000	.00000	.00000
.899	48.103	.01363	981.78531	.00000	.00000	.00000	.00000
.900	49.973	-.05735	982.01480	.00000	.00000	.00000	.00000
.898	52.053	.03442	980.53572	.00000	.00000	.00000	.00000
.899	53.900	.04442	981.86371	.00000	.00000	.00000	.00000
.900	56.100	.02929	982.31207	.00000	.00000	.00000	.00000
.899	58.175	.01944	981.30496	.00000	.00000	.00000	.00000
.901	59.117	.02025	983.02504	.00000	.00000	.00000	.00000
	GRADIENT	-.00241	.01995	.00000	.00000	.00000	.00000

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F(8TPT-655)SRB (PPS028) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 94/ 0 RN/L = 5.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.997	39.751	-.02099	987.60355	.00000	.00000	.00000	.00000
1.002	41.641	.02122	991.79823	.00000	.00000	.00000	.00000
1.001	43.661	-.04844	991.10139	.00000	.00000	.00000	.00000
1.000	45.706	-.02543	990.54464	.00000	.00000	.00000	.00000
1.001	47.825	.08335	991.22273	.00000	.00000	.00000	.00000
1.001	49.985	.08957	991.25607	.00000	.00000	.00000	.00000
.999	52.188	.01772	989.69701	.00000	.00000	.00000	.00000
.999	53.993	.00708	989.51073	.00000	.00000	.00000	.00000
1.000	56.122	-.01939	990.48506	.00000	.00000	.00000	.00000
	GRADIENT	.00173	.01854	.00000	.00000	.00000	.00000

RUN NO. 93/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	39.618	.01179	875.68985	.00000	.00000	.00000	.00000
1.199	41.259	-.00749	875.60758	.00000	.00000	.00000	.00000
1.198	43.348	.00184	875.37163	.00000	.00000	.00000	.00000
1.199	45.496	.00126	875.29865	.00000	.00000	.00000	.00000
1.200	47.499	-.04793	875.95899	.00000	.00000	.00000	.00000
1.198	49.719	-.00197	875.13433	.00000	.00000	.00000	.00000
1.200	51.717	-.00822	875.76338	.00000	.00000	.00000	.00000
1.200	53.906	-.01112	875.84875	.00000	.00000	.00000	.00000
1.200	55.966	-.02526	875.64122	.00000	.00000	.00000	.00000
1.200	57.822	-.02786	875.92227	.00000	.00000	.00000	.00000
1.200	59.938	-.02919	876.33316	.00000	.00000	.00000	.00000
1.201	61.765	-.02404	876.57875	.00000	.00000	.00000	.00000
1.200	64.099	-.01859	876.27677	.00000	.00000	.00000	.00000
	GRADIENT	-.00117	.03775	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB (PPS029) (09 MAR 74)

REFERENCE DATA

SREF =	7.0890 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 98/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.399	59.112	.32787	331.12704	.00000	.00000	.00000	.00000
.400	60.917	.31057	331.93855	.00000	.00000	.00000	.00000
.400	63.261	.29225	331.66826	.00000	.00000	.00000	.00000
.400	65.231	.28628	331.39518	.00000	.00000	.00000	.00000
.399	67.210	.23378	331.30764	.00000	.00000	.00000	.00000
.399	68.944	.17806	331.21734	.00000	.00000	.00000	.00000
.400	71.372	.24108	331.57742	.00000	.00000	.00000	.00000
.399	73.138	.15900	331.03564	.00000	.00000	.00000	.00000
.399	75.128	-.06535	330.94533	.00000	.00000	.00000	.00000
.400	77.176	-.02823	331.84827	.00000	.00000	.00000	.00000
.400	79.331	.01015	331.66936	.00000	.00000	.00000	.00000
.400	81.327	.02406	331.66881	.00000	.00000	.00000	.00000
.399	83.213	.00378	330.94423	.00000	.00000	.00000	.00000
	GRADIENT	-.01648	-.00526	.00000	.00000	.00000	.00000

RUN NO. 100/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	59.348	-.07165	672.42299	.00000	.00000	.00000	.00000
.600	61.304	-.06181	672.41318	.00000	.00000	.00000	.00000
.600	63.366	-.07404	672.16237	.00000	.00000	.00000	.00000
.600	65.283	-.03047	672.16564	.00000	.00000	.00000	.00000
.599	67.516	.00724	671.74212	.00000	.00000	.00000	.00000
.599	69.390	.04294	671.32508	.00000	.00000	.00000	.00000
.600	71.547	.02833	673.59211	.00000	.00000	.00000	.00000
.600	73.332	.00252	672.25360	.00000	.00000	.00000	.00000
.599	75.599	-.01647	671.99950	.00000	.00000	.00000	.00000
.600	77.248	-.02756	672.91638	.00000	.00000	.00000	.00000
.600	79.179	-.03270	672.41972	.00000	.00000	.00000	.00000
.599	81.349	-.04063	671.91970	.00000	.00000	.00000	.00000
.599	83.334	-.04650	671.17029	.00000	.00000	.00000	.00000
	GRADIENT	.00126	-.01447	.00000	.00000	.00000	.00000

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SA-2F (STPT-655) SRB (PPS029) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 99/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	60.035	.01668	1006.58032	.00000	.00000	.00000	.00000
.801	61.969	.02265	1007.79873	.00000	.00000	.00000	.00000
.801	64.059	.01985	1007.40323	.00000	.00000	.00000	.00000
.800	66.036	.00489	1006.05664	.00000	.00000	.00000	.00000
.801	67.950	.00906	1007.54980	.00000	.00000	.00000	.00000
.801	69.882	-.00241	1007.01784	.00000	.00000	.00000	.00000
.800	70.360	-.00353	1006.78766	.00000	.00000	.00000	.00000
.801	71.826	-.03206	1007.18966	.00000	.00000	.00000	.00000
.801	73.810	-.02308	1007.05567	.00000	.00000	.00000	.00000
.800	75.756	-.01802	1006.39813	.00000	.00000	.00000	.00000
.801	77.771	.03190	1007.49545	.00000	.00000	.00000	.00000
.800	79.653	.02287	1006.42740	.00000	.00000	.00000	.00000
.800	81.705	.03206	1006.27035	.00000	.00000	.00000	.00000
.800	83.750	.01467	1007.05169	.00000	.00000	.00000	.00000
	GRADIENT	.00017	-.01822	.00000	.00000	.00000	.00000

RUN NO. 97/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	64.145	.00973	981.80844	.00000	.00000	.00000	.00000
.899	66.017	-.00922	981.84064	.00000	.00000	.00000	.00000
.899	67.965	-.01651	981.80844	.00000	.00000	.00000	.00000
.899	69.994	-.02542	981.80844	.00000	.00000	.00000	.00000
.900	71.869	-.01976	982.68230	.00000	.00000	.00000	.00000
.900	73.888	-.01917	982.54958	.00000	.00000	.00000	.00000
.900	75.768	-.01311	982.49924	.00000	.00000	.00000	.00000
.899	77.829	-.02206	981.69433	.00000	.00000	.00000	.00000
.900	79.606	-.04641	982.36207	.00000	.00000	.00000	.00000
.900	81.627	-.04474	982.54958	.00000	.00000	.00000	.00000
.899	83.781	-.01625	981.98695	.00000	.00000	.00000	.00000
	GRADIENT	-.00162	.02280	.00000	.00000	.00000	.00000

SA-2F(81PT-655)SRB (PP$029) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 96/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.000	61.331	-.00823	990.51350	.00000	.00000	.00000	.00000
1.000	62.366	-.00499	989.95394	.00000	.00000	.00000	.00000
.999	64.182	-.01338	989.66544	.00000	.00000	.00000	.00000
.999	66.108	-.02166	989.94871	.00000	.00000	.00000	.00000
.999	68.022	-.02126	989.56292	.00000	.00000	.00000	.00000
.998	69.993	-.02050	988.62257	.00000	.00000	.00000	.00000
1.000	71.958	-.02246	990.28805	.00000	.00000	.00000	.00000
1.000	73.906	-.01616	990.57106	.00000	.00000	.00000	.00000
1.001	75.945	-.01530	991.08390	.00000	.00000	.00000	.00000
.998	77.854	-.02846	988.75791	.00000	.00000	.00000	.00000
.999	79.764	-.02564	989.47253	.00000	.00000	.00000	.00000
.999	81.723	-.02866	989.87135	.00000	.00000	.00000	.00000
.999	83.910	-.03487	989.77436	.00000	.00000	.00000	.00000
	GRADIENT	-.00094	-.01101	.00000	.00000	.00000	.00000

RUN NO. 95/ 0 RN/L = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	59.894	-.01105	875.10326	.00000	.00000	.00000	.00000
1.200	61.775	-.01189	875.95533	.00000	.00000	.00000	.00000
1.199	64.082	-.00865	875.52669	.00000	.00000	.00000	.00000
1.199	65.847	-.01429	875.57710	.00000	.00000	.00000	.00000
1.197	67.779	-.01431	874.49439	.00000	.00000	.00000	.00000
1.199	69.788	-.01805	875.76769	.00000	.00000	.00000	.00000
1.199	71.907	-.01536	875.44871	.00000	.00000	.00000	.00000
1.199	73.486	-.01042	875.66559	.00000	.00000	.00000	.00000
1.198	75.580	-.01725	875.17655	.00000	.00000	.00000	.00000
1.199	77.624	-.01755	875.26212	.00000	.00000	.00000	.00000
1.197	79.607	-.01821	875.10069	.00000	.00000	.00000	.00000
1.199	81.592	-.01818	875.51293	.00000	.00000	.00000	.00000
1.199	83.763	-.01475	875.39954	.00000	.00000	.00000	.00000
	GRADIENT	-.00028	-.00504	.00000	.00000	.00000	.00000

SA-2F (8IPT-655) SRB (PPS030) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 11/ 0 RN/L = 6.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	80.096	-.05208	1006.16967	.00000	.00000	.00000	.00000
.800	80.798	-.05328	1004.91879	.00000	.00000	.00000	.00000
.800	82.728	-.04625	1005.32118	.00000	.00000	.00000	.00000
.800	84.565	-.03119	1006.04191	.00000	.00000	.00000	.00000
.800	86.380	-.06331	1005.76748	.00000	.00000	.00000	.00000
.800	88.288	-.07040	1005.38824	.00000	.00000	.00000	.00000
.800	90.385	-.08128	1006.34778	.00000	.00000	.00000	.00000
.800	92.508	-.07041	1005.43223	.00000	.00000	.00000	.00000
.800	94.175	-.06294	1006.19485	.00000	.00000	.00000	.00000
.800	96.502	-.04805	1006.02933	.00000	.00000	.00000	.00000
.800	98.416	-.05333	1005.94971	.00000	.00000	.00000	.00000
.800	100.167	-.05668	1005.65224	.00000	.00000	.00000	.00000
.799	102.502	-.02313	1004.75518	.00000	.00000	.00000	.00000
.800	103.517	.02710	1005.43851	.00000	.00000	.00000	.00000
	GRADIENT	.00140	-.00679	.00000	.00000	.00000	.00000

RUN NO. 26/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.001	80.376	-.01103	991.59206	.00000	.00000	.00000	.00000
1.001	81.247	-.01930	991.78412	.00000	.00000	.00000	.00000
1.000	83.215	-.01619	990.25677	.00000	.00000	.00000	.00000
.999	85.205	-.01715	989.32433	.00000	.00000	.00000	.00000
1.000	87.280	-.01446	990.43615	.00000	.00000	.00000	.00000
1.000	89.384	-.01572	990.14652	.00000	.00000	.00000	.00000
1.000	91.145	-.02068	990.42956	.00000	.00000	.00000	.00000
1.000	93.058	-.02393	990.60876	.00000	.00000	.00000	.00000
1.001	95.015	-.02610	991.08390	.00000	.00000	.00000	.00000
.999	96.947	-.03079	989.52379	.00000	.00000	.00000	.00000
.999	99.074	-.02673	990.05755	.00000	.00000	.00000	.00000
1.000	101.149	-.03257	990.87178	.00000	.00000	.00000	.00000
1.001	103.939	-.02209	990.92257	.00000	.00000	.00000	.00000
	GRADIENT	-.00067	-.01737	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB (PPS031) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 69/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	76.741	-.05549	332.39546	.00000	.00000	.00000	.00000
.400	78.646	-.00146	332.39601	.00000	.00000	.00000	.00000
.400	80.635	-.03462	332.57544	.00000	.00000	.00000	.00000
.400	82.682	-.04062	332.57599	.00000	.00000	.00000	.00000
.400	84.681	-.04538	332.66514	.00000	.00000	.00000	.00000
.400	86.840	-.07152	331.67212	.00000	.00000	.00000	.00000
.400	83.742	-.05965	332.57710	.00000	.00000	.00000	.00000
.400	90.898	-.04475	332.93814	.00000	.00000	.00000	.00000
.400	92.620	-.05491	331.94353	.00000	.00000	.00000	.00000
.400	94.655	-.09667	331.85269	.00000	.00000	.00000	.00000
.400	96.571	-.08081	332.12574	.00000	.00000	.00000	.00000
.400	98.879	-.01361	332.57655	.00000	.00000	.00000	.00000
.399	100.792	-.00542	331.04004	.00000	.00000	.00000	.00000
	GRADIENT	-.00028	-.03100	.00000	.00000	.00000	.00000

RUN NO. 68/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.598	76.299	-.01923	668.47912	.00000	.00000	.00000	.00000
.598	78.227	-.02155	669.73294	.00000	.00000	.00000	.00000
.600	80.261	-.03208	672.80874	.00000	.00000	.00000	.00000
.600	82.228	-.05407	672.30393	.00000	.00000	.00000	.00000
.600	84.194	-.05154	672.05151	.00000	.00000	.00000	.00000
.600	86.136	-.05213	672.23071	.00000	.00000	.00000	.00000
.600	88.182	-.05884	672.05151	.00000	.00000	.00000	.00000
.599	90.254	-.06018	671.47005	.00000	.00000	.00000	.00000
.600	92.182	-.06445	671.80886	.00000	.00000	.00000	.00000
.600	94.280	-.09760	672.97644	.00000	.00000	.00000	.00000
.599	96.231	-.11419	671.30389	.00000	.00000	.00000	.00000
.600	98.245	-.10973	671.89193	.00000	.00000	.00000	.00000
.600	100.408	-.09204	672.47166	.00000	.00000	.00000	.00000
	GRADIENT	-.00375	.08058	.00000	.00000	.00000	.00000

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SA-2F(8TPT-655)SRB (PPS031) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 67/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	76.445	-.06236	1005.39029	.00000	.00000	.00000	.00000
.800	78.371	-.04215	1005.98117	.00000	.00000	.00000	.00000
.800	80.298	-.01934	1005.48043	.00000	.00000	.00000	.00000
.800	82.196	-.02481	1005.27298	.00000	.00000	.00000	.00000
.800	84.106	-.04384	1005.56005	.00000	.00000	.00000	.00000
.800	86.109	-.06143	1005.58519	.00000	.00000	.00000	.00000
.800	88.130	-.03581	1005.66481	.00000	.00000	.00000	.00000
.800	89.943	-.05542	1005.85968	.00000	.00000	.00000	.00000
.800	91.858	-.07476	1005.51185	.00000	.00000	.00000	.00000
.799	93.956	-.05741	1004.79091	.00000	.00000	.00000	.00000
.800	95.836	-.06295	1005.35888	.00000	.00000	.00000	.00000
.799	97.917	-.06528	1004.79907	.00000	.00000	.00000	.00000
.799	99.911	-.03954	1004.56016	.00000	.00000	.00000	.00000
	GRADIENT	-.00086	-.03578	.00000	.00000	.00000	.00000

RUN NO. 66/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	76.333	-.01369	982.33945	.00000	.00000	.00000	.00000
.900	78.297	.00438	982.13373	.00000	.00000	.00000	.00000
.900	80.185	-.03590	982.27088	.00000	.00000	.00000	.00000
.900	82.128	-.00919	982.16108	.00000	.00000	.00000	.00000
.900	84.100	.00952	981.89586	.00000	.00000	.00000	.00000
.899	85.992	-.00848	981.69008	.00000	.00000	.00000	.00000
.899	87.923	-.00937	981.53892	.00000	.00000	.00000	.00000
.899	89.902	-.02290	981.60752	.00000	.00000	.00000	.00000
.899	91.830	-.04444	981.33309	.00000	.00000	.00000	.00000
.900	93.787	-.04615	982.08338	.00000	.00000	.00000	.00000
.900	95.742	-.05100	982.18874	.00000	.00000	.00000	.00000
.900	97.658	-.04848	983.00224	.00000	.00000	.00000	.00000
.900	99.761	-.04290	982.54981	.00000	.00000	.00000	.00000
	GRADIENT	-.00207	.01101	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB (PPS031) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 71/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.000	76.194	-.00433	990.10864	.00000	.00000	.00000	.00000
.999	78.031	.02942	989.94216	.00000	.00000	.00000	.00000
1.001	79.976	.03157	991.21865	.00000	.00000	.00000	.00000
1.000	81.916	-.02066	990.89166	.00000	.00000	.00000	.00000
.999	83.911	-.02152	989.54989	.00000	.00000	.00000	.00000
.998	85.644	-.01809	988.71930	.00000	.00000	.00000	.00000
.998	88.028	-.02094	989.37638	.00000	.00000	.00000	.00000
1.000	89.803	-.02422	990.39832	.00000	.00000	.00000	.00000
1.000	91.668	-.02476	990.57766	.00000	.00000	.00000	.00000
1.002	93.657	-.02391	992.31939	.00000	.00000	.00000	.00000
.999	95.699	-.02618	989.85171	.00000	.00000	.00000	.00000
1.002	97.718	-.02366	992.46060	.00000	.00000	.00000	.00000
.999	99.738	-.01365	990.21225	.00000	.00000	.00000	.00000
	GRADIENT	-.00162	.04419	.00000	.00000	.00000	.00000

RUN NO. 70/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.201	76.111	-.01720	876.23412	.00000	.00000	.00000	.00000
1.200	78.069	-.01518	875.99217	.00000	.00000	.00000	.00000
1.199	80.031	-.01282	875.18898	.00000	.00000	.00000	.00000
1.196	82.000	-.01241	874.66116	.00000	.00000	.00000	.00000
1.198	84.053	-.01352	875.10646	.00000	.00000	.00000	.00000
1.199	86.008	-.01551	875.42098	.00000	.00000	.00000	.00000
1.198	87.954	-.01625	875.51548	.00000	.00000	.00000	.00000
1.199	89.889	-.01585	875.48530	.00000	.00000	.00000	.00000
1.201	91.866	-.01877	875.99792	.00000	.00000	.00000	.00000
1.201	93.855	-.01632	876.26088	.00000	.00000	.00000	.00000
1.201	95.921	-.01661	876.44893	.00000	.00000	.00000	.00000
1.200	98.014	-.01484	875.86233	.00000	.00000	.00000	.00000
1.201	100.090	-.01164	876.13894	.00000	.00000	.00000	.00000
	GRADIENT	-.00001	.02896	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB (PPS032) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTCRKS =	.000

RUN NO. 78/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.401	96.770	-.02100	333.38771	.00000	.00000	.00000	.00000
.401	98.751	-.01366	333.56819	.00000	.00000	.00000	.00000
.401	100.673	-.03565	334.19978	.00000	.00000	.00000	.00000
.402	102.669	-.07359	334.83181	.00000	.00000	.00000	.00000
.401	104.654	-.09517	334.01934	.00000	.00000	.00000	.00000
.401	106.825	-.07500	333.65898	.00000	.00000	.00000	.00000
.402	108.834	-.00269	334.65196	.00000	.00000	.00000	.00000
.401	110.714	.01978	334.11124	.00000	.00000	.00000	.00000
.401	112.745	.06062	334.29056	.00000	.00000	.00000	.00000
.402	114.753	.08966	335.01333	.00000	.00000	.00000	.00000
.401	116.811	.04157	334.20146	.00000	.00000	.00000	.00000
.401	118.660	-.20050	334.20090	.00000	.00000	.00000	.00000
.402	120.820	-.30446	334.83237	.00000	.00000	.00000	.00000
	GRADIENT	-.00390	.03661	.00000	.00000	.00000	.00000

RUN NO. 79/ 0 RN/L = 5.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.604	96.452	-.06657	679.39663	.00000	.00000	.00000	.00000
.599	98.469	-.08050	671.48962	.00000	.00000	.00000	.00000
.599	100.591	-.08526	670.72876	.00000	.00000	.00000	.00000
.599	102.552	-.08792	670.88194	.00000	.00000	.00000	.00000
.599	104.515	-.09561	671.14587	.00000	.00000	.00000	.00000
.599	106.654	-.05881	671.38697	.00000	.00000	.00000	.00000
.599	108.458	-.03953	671.39187	.00000	.00000	.00000	.00000
.599	110.475	-.01902	671.47984	.00000	.00000	.00000	.00000
.600	112.559	.01520	671.81213	.00000	.00000	.00000	.00000
.599	114.325	.03073	671.14587	.00000	.00000	.00000	.00000
.599	116.390	.04700	671.06115	.00000	.00000	.00000	.00000
.599	118.304	.04085	670.38658	.00000	.00000	.00000	.00000
.599	120.493	.03386	671.73396	.00000	.00000	.00000	.00000
	GRADIENT	.00649	-.13332	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB (PPS032) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 77/ 0 RN/L = 6.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	96.185	-.07611	1005.67738	.00000	.00000	.00000	.00000
.799	98.190	-.08040	1004.41968	.00000	.00000	.00000	.00000
.799	100.206	-.08287	1004.56642	.00000	.00000	.00000	.00000
.799	102.168	-.06584	1004.84109	.00000	.00000	.00000	.00000
.800	104.021	-.09065	1005.36088	.00000	.00000	.00000	.00000
.798	105.899	-.10348	1003.03931	.00000	.00000	.00000	.00000
.799	107.963	-.07198	1005.04863	.00000	.00000	.00000	.00000
.799	109.900	-.09520	1004.92073	.00000	.00000	.00000	.00000
.799	111.975	-.10113	1004.63979	.00000	.00000	.00000	.00000
.799	114.052	-.08560	1004.32124	.00000	.00000	.00000	.00000
.799	115.842	-.06660	1003.86391	.00000	.00000	.00000	.00000
.792	120.228	-.07395	991.79210	.00000	.00000	.00000	.00000
	GRADIENT	-.00001	-.30311	.00000	.00000	.00000	.00000

RUN NO. 76/ 0 RN/L = 5.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	96.199	-.08004	982.87420	.00000	.00000	.00000	.00000
.900	98.101	-.08191	983.49581	.00000	.00000	.00000	.00000
.900	100.063	-.08147	982.67761	.00000	.00000	.00000	.00000
.899	101.980	-.07764	982.20185	.00000	.00000	.00000	.00000
.901	104.077	-.05831	983.86127	.00000	.00000	.00000	.00000
.902	105.981	-.06833	985.06105	.00000	.00000	.00000	.00000
.901	107.791	-.06182	984.21742	.00000	.00000	.00000	.00000
.901	109.848	-.03169	983.83380	.00000	.00000	.00000	.00000
.901	111.846	-.02748	983.72421	.00000	.00000	.00000	.00000
.901	113.918	-.01980	983.94771	.00000	.00000	.00000	.00000
.901	115.895	-.02262	983.86568	.00000	.00000	.00000	.00000
.900	117.995	-.01962	982.91086	.00000	.00000	.00000	.00000
.900	119.946	-.02532	982.99307	.00000	.00000	.00000	.00000
	GRADIENT	.00318	.01699	.00000	.00000	.00000	.00000

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SA-2F (8TPT-655) SRB (PPS032) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FLDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 75/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.001	96.063	-.01001	991.25186	.00000	.00000	.00000	.00000
1.006	97.948	-.01450	995.55328	.00000	.00000	.00000	.00000
.999	99.915	-.01460	990.00642	.00000	.00000	.00000	.00000
.997	102.077	-.02273	987.81583	.00000	.00000	.00000	.00000
1.001	103.907	-.02432	991.40408	.00000	.00000	.00000	.00000
1.001	106.010	-.02356	991.23195	.00000	.00000	.00000	.00000
1.001	107.875	-.03196	991.78796	.00000	.00000	.00000	.00000
1.001	109.876	-.02622	990.99327	.00000	.00000	.00000	.00000
.999	111.765	-.03006	989.74260	.00000	.00000	.00000	.00000
1.001	113.874	-.02700	991.46809	.00000	.00000	.00000	.00000
1.002	115.820	-.02247	992.29920	.00000	.00000	.00000	.00000
1.000	117.935	-.02090	990.38516	.00000	.00000	.00000	.00000
1.001	119.934	-.01072	991.16788	.00000	.00000	.00000	.00000
	GRADIENT	-.00026	-.02765	.00000	.00000	.00000	.00000

RUN NO. 74/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.198	96.259	-.00401	875.41386	.00000	.00000	.00000	.00000
1.200	98.370	-.00577	875.80608	.00000	.00000	.00000	.00000
1.200	100.336	-.01538	875.97085	.00000	.00000	.00000	.00000
1.201	102.295	-.01687	875.96884	.00000	.00000	.00000	.00000
1.201	104.557	-.01525	876.11770	.00000	.00000	.00000	.00000
1.199	106.183	-.01746	875.60613	.00000	.00000	.00000	.00000
1.201	108.225	-.02105	875.91846	.00000	.00000	.00000	.00000
1.199	110.151	-.02047	875.71480	.00000	.00000	.00000	.00000
1.202	112.417	-.01672	876.57624	.00000	.00000	.00000	.00000
1.200	113.981	-.01534	875.90495	.00000	.00000	.00000	.00000
1.200	116.093	-.00915	875.74202	.00000	.00000	.00000	.00000
1.200	118.223	-.00454	875.88721	.00000	.00000	.00000	.00000
1.200	120.242	-.00246	876.07937	.00000	.00000	.00000	.00000
	GRADIENT	.00009	.01245	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB (PPS033) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWD STK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 90/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.401	116.654	.26914	333.02339	.00000	.00000	.00000	.00000
.401	119.040	-.30227	334.28664	.00000	.00000	.00000	.00000
.401	121.001	-.20225	334.01710	.00000	.00000	.00000	.00000
.402	123.035	.03615	334.65084	.00000	.00000	.00000	.00000
.401	124.986	.09519	333.92744	.00000	.00000	.00000	.00000
.402	127.046	-.00098	334.65084	.00000	.00000	.00000	.00000
.401	128.933	.01509	334.19978	.00000	.00000	.00000	.00000
.401	131.040	.07250	334.10788	.00000	.00000	.00000	.00000
.401	133.099	.09612	333.74810	.00000	.00000	.00000	.00000
.402	135.102	.10769	334.65196	.00000	.00000	.00000	.00000
.402	137.065	.07873	334.55895	.00000	.00000	.00000	.00000
.401	139.049	.01577	333.83833	.00000	.00000	.00000	.00000
.401	140.905	-.00657	333.74698	.00000	.00000	.00000	.00000
	GRADIENT	.00356	.00962	.00000	.00000	.00000	.00000

RUN NO. 91/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.598	116.440	.07130	668.54779	.00000	.00000	.00000	.00000
.599	118.748	.04308	670.30997	.00000	.00000	.00000	.00000
.599	120.741	.01160	670.49567	.00000	.00000	.00000	.00000
.598	122.639	.02231	670.15184	.00000	.00000	.00000	.00000
.599	124.682	.05544	670.23820	.00000	.00000	.00000	.00000
.599	126.661	.07520	670.98782	.00000	.00000	.00000	.00000
.599	128.791	.06211	671.40491	.00000	.00000	.00000	.00000
.598	130.929	.03532	670.48431	.00000	.00000	.00000	.00000
.598	132.683	.06155	671.40817	.00000	.00000	.00000	.00000
.599	134.930	.09764	670.98782	.00000	.00000	.00000	.00000
.599	136.923	.05969	670.06547	.00000	.00000	.00000	.00000
.599	138.872	.03310	671.57597	.00000	.00000	.00000	.00000
.598	140.787	.01072	671.24036	.00000	.00000	.00000	.00000
	GRADIENT	-.00006	.06832	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB (PPS033) (09 MAR 74)

REFERENCE DATA

SREF =	7.0000 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 92/ 0 RN/L = 6.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	116.045	-.06376	1005.46363	.00000	.00000	.00000	.00000
.800	118.442	-.06255	1006.40442	.00000	.00000	.00000	.00000
.801	120.216	-.05679	1006.81686	.00000	.00000	.00000	.00000
.800	122.258	-.03041	1006.64104	.00000	.00000	.00000	.00000
.800	124.359	-.00636	1005.22475	.00000	.00000	.00000	.00000
.800	126.495	.00936	1006.12153	.00000	.00000	.00000	.00000
.800	128.413	.00722	1006.58032	.00000	.00000	.00000	.00000
.800	130.406	.00650	1005.93930	.00000	.00000	.00000	.00000
.801	132.424	.01091	1007.09744	.00000	.00000	.00000	.00000
.799	134.559	.00701	1004.76773	.00000	.00000	.00000	.00000
.800	136.763	.00739	1005.71930	.00000	.00000	.00000	.00000
.799	138.828	.03617	1005.06745	.00000	.00000	.00000	.00000
.800	140.558	.04764	1009.65853	.00000	.00000	.00000	.00000
	GRADIENT	.00415	-.03224	.00000	.00000	.00000	.00000

RUN NO. 88/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	116.137	-.03735	982.37543	.00000	.00000	.00000	.00000
.901	118.376	-.04412	984.16667	.00000	.00000	.00000	.00000
.901	120.358	-.02530	983.75135	.00000	.00000	.00000	.00000
.900	122.303	-.01568	982.55429	.00000	.00000	.00000	.00000
.90	124.455	-.00958	982.35770	.00000	.00000	.00000	.00000
.899	126.307	-.00099	981.94142	.00000	.00000	.00000	.00000
.900	128.305	-.00508	982.65024	.00000	.00000	.00000	.00000
.900	130.469	-.00246	982.48125	.00000	.00000	.00000	.00000
.899	132.474	.00087	981.78114	.00000	.00000	.00000	.00000
.899	134.517	.00455	982.05555	.00000	.00000	.00000	.00000
.899	136.712	.00762	981.99606	.00000	.00000	.00000	.00000
.900	138.637	-.00240	982.66865	.00000	.00000	.00000	.00000
.900	140.537	-.01760	982.52222	.00000	.00000	.00000	.00000
	GRADIENT	.00144	-.04219	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB (PPS033) (05 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 87/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.999	116.179	-.02321	988.74371	.00000	.00000	.00000	.00000
.999	118.132	-.02987	988.84716	.00000	.00000	.00000	.00000
.999	120.096	-.02306	988.78934	.00000	.00000	.00000	.00000
.999	122.070	-.00863	989.50296	.00000	.00000	.00000	.00000
.997	124.051	-.01366	987.81670	.00000	.00000	.00000	.00000
.998	126.035	-.01043	988.49943	.00000	.00000	.00000	.00000
.997	128.041	-.00824	987.81670	.00000	.00000	.00000	.00000
1.000	130.051	-.00622	989.66926	.00000	.00000	.00000	.00000
.999	132.071	-.00514	988.87229	.00000	.00000	.00000	.00000
1.000	134.094	-.00262	989.96547	.00000	.00000	.00000	.00000
1.000	136.134	-.00018	990.23525	.00000	.00000	.00000	.00000
1.000	138.183	-.00527	989.52115	.00000	.00000	.00000	.00000
.998	140.407	-.00571	988.33874	.00000	.00000	.00000	.00000
	GRADIENT	.00098	.03097	.00000	.00000	.00000	.00000

RUN NO. 86/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	116.409	-.01564	875.19777	.00000	.00000	.00000	.00000
1.200	118.337	-.01596	875.90091	.00000	.00000	.00000	.00000
1.200	120.279	-.01678	875.50369	.00000	.00000	.00000	.00000
1.200	122.341	-.01606	875.76156	.00000	.00000	.00000	.00000
1.199	124.340	-.01404	875.47627	.00000	.00000	.00000	.00000
1.199	126.303	-.01202	875.55572	.00000	.00000	.00000	.00000
1.200	128.335	-.00862	875.93326	.00000	.00000	.00000	.00000
1.199	130.280	-.00813	875.02383	.00000	.00000	.00000	.00000
1.199	132.256	-.00321	875.19657	.00000	.00000	.00000	.00000
1.200	134.302	.00099	875.82914	.00000	.00000	.00000	.00000
1.200	136.331	.00238	875.30208	.00000	.00000	.00000	.00000
1.200	138.390	-.00301	875.59081	.00000	.00000	.00000	.00000
1.200	140.581	.00164	875.32344	.00000	.00000	.00000	.00000
	GRADIENT	.00088	-.00674	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB (PPS034) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 156/ 0 RN/L = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	136.248	-.02695	331.75909	.25428	.21931	.15566	.25169
.400	138.307	-.00964	332.66126	.22339	.19157	.13936	.21802
.400	140.359	-.00549	331.93911	.19327	.16516	.12866	.19014
.400	142.409	-.00498	332.12077	.16263	.13652	.12002	.16438
.400	144.473	-.00471	331.84827	.13529	.09930	.10413	.13246
.399	146.538	.00649	331.21569	.10045	.06650	.08172	.09648
.400	148.594	.01273	331.84993	.06794	.04166	.05919	.06297
.400	150.630	.01530	331.57852	.04001	.02289	.03524	.03706
.400	152.660	.00972	331.48878	.02172	.00912	.01710	.01796
.400	154.697	.00809	332.21270	.00514	-.00365	.00127	.00328
.400	156.723	-.00263	331.48933	-.00671	-.01380	-.00897	-.00896
.399	158.748	-.00177	331.03564	-.01691	-.02297	-.01826	-.01825
.399	160.948	-.00570	330.85502	-.02602	-.03164	-.02658	-.02766
	GRADIENT	.00068	-.04138	-.01191	-.01056	-.00806	-.01186

RUN NO. 158/ 0 RN/L = 5.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.601	137.386	-.06612	675.34487	.18657	.16329	.12204	.19895
.600	139.565	-.01858	672.38206	.16604	.13690	.10867	.16877
.600	141.624	-.01590	672.22907	.15017	.10991	.10488	.14595
.601	143.851	.00007	673.90606	.13077	.08669	.09743	.12487
.600	146.020	.00131	672.48968	.09107	.05893	.07637	.08584
.600	148.040	.02983	673.23866	.06317	.03916	.05576	.05751
.600	150.229	.00873	672.65250	.03531	.01933	.03053	.03016
.600	152.325	-.01421	672.48641	.01941	.00557	.01195	.01389
.600	154.353	-.01439	673.49101	.00548	-.00583	-.00206	.00155
.600	156.415	.00083	673.15727	-.00556	-.01600	-.01240	-.00834
.600	158.546	.00137	672.15910	-.01603	-.02578	-.02115	-.01732
.600	160.722	-.00411	672.48641	-.02604	-.03416	-.02907	-.02601
	GRADIENT	.00140	-.04967	-.00984	-.00856	-.00724	-.01010

SA-2F(8TPT-655)SRB (PPS034) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 157/ 0 RN/L = 6.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	136.036	.03197	1005.25614	.16471	.12214	.09708	.15947
.799	138.386	.02045	1004.84736	.13196	.09268	.08129	.12651
.800	140.592	.02782	1006.38961	.11521	.07210	.07534	.10462
.800	142.852	.04058	1004.70931	.09330	.05885	.07339	.08626
.800	145.070	.07003	1006.29964	.07938	.04793	.07086	.07308
.801	147.352	.09322	1006.71834	.05460	.03038	.05001	.04624
.800	149.664	-.09629	1005.05902	.03195	.01543	.02700	.02767
.801	151.910	-.11310	1007.57505	.01937	.00838	.01775	.01953
.800	153.951	-.02908	1005.59147	.00995	.00045	.00693	.00991
.800	156.106	-.00357	1005.63967	.00219	-.00720	-.00086	.00322
.800	158.233	-.00056	1006.01891	-.00170	-.01196	-.00319	-.00092
.800	160.495	-.01378	1006.22002	-.00311	-.01359	.00116	-.00258
	GRADIENT	-.00320	.03592	-.00705	-.00540	-.00452	-.00664

RUN NO. 155/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	133.367	-.05447	982.68692	.26407	.18040	.15214	.24130
.900	135.652	-.08161	981.96445	.21451	.14735	.13557	.19617
.899	137.935	-.06392	980.97593	.16816	.11996	.11265	.15420
.899	140.254	-.00724	981.30156	.13994	.10838	.10188	.12731
.898	142.558	.07065	978.90730	.12073	.10106	.10568	.11122
.900	144.899	.12380	982.33033	.10414	.08492	.10516	.09410
.899	147.190	.08818	980.98092	.08622	.06755	.08897	.07888
.899	149.545	.04269	981.78601	.08168	.06196	.08644	.07630
.900	151.733	.02882	982.92000	.08054	.06036	.08815	.07642
.899	153.941	.04594	981.68097	.07716	.05655	.08608	.06957
.900	156.071	.03515	982.52691	.07008	.05125	.08384	.06141
.900	158.195	.00496	982.58182	.06568	.04778	.08572	.05849
.899	160.341	-.01759	981.57532	.06785	.05094	.09315	.05944
	GRADIENT	.00262	.02823	-.00637	-.00442	-.00201	-.00590

ORIGINAL PAGE IS
OF POOR QUALITY

SA-2F (8TPT-655) SRB (PPS034) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 154/ 0 RN/L = 4.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.001	133.075	-.01535	934.16287	.20322	.16297	.15958	.17915
.999	135.428	-.01710	931.97730	.17585	.16194	.16076	.16196
1.000	137.604	-.01854	933.01805	.17078	.17071	.17352	.16175
.999	139.901	-.04989	932.66582	.15865	.16158	.17478	.15468
1.000	142.225	-.09206	933.24349	.15407	.15198	.16939	.15312
.999	144.549	-.02946	932.65926	.14326	.13736	.15551	.14216
1.000	146.782	-.03601	933.64801	.14407	.13647	.15867	.15219
1.000	149.088	-.00493	933.29440	.13397	.12176	.15097	.12527
.999	151.368	-.05740	932.65926	.11585	.10438	.14087	.11389
.999	153.629	-.04289	932.28020	.10538	.08848	.13120	.10093
1.000	155.841	.01340	932.84532	.09915	.07860	.12666	.09271
1.000	158.055	.01890	932.91609	.09493	.07368	.12469	.08744
1.000	160.382	-.01686	932.98686	.08768	.06754	.11843	.08016
	GRADIENT	.00100	-.01148	-.00394	-.00414	-.00195	-.00362

RUN NO. 153/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	133.583	.00146	875.31125	.20805	.18064	.18515	.19633
1.199	135.800	-.00311	875.49766	.18152	.17239	.18249	.17904
1.200	138.016	-.01060	875.48828	.16629	.16112	.17406	.16850
1.199	140.237	-.01872	875.27461	.15583	.14883	.16226	.15858
1.200	142.462	-.03623	875.36015	.14365	.13238	.14486	.14330
1.199	144.661	-.04053	875.29601	.13475	.12346	.13444	.13244
1.199	146.889	-.04598	875.24559	.12692	.11902	.13078	.12457
1.199	149.091	-.03138	875.24559	.13325	.12827	.14547	.12857
1.199	151.335	-.03671	875.26698	.12359	.11863	.13361	.11849
1.200	153.571	-.03177	875.37384	.10999	.10366	.11633	.10779
1.199	155.789	-.01974	875.92389	.10801	.09574	.11597	.10625
1.199	157.987	-.00516	874.90784	.10678	.09263	.11945	.10365
1.199	160.346	-.00360	875.02383	.10118	.08702	.11440	.09820
	GRADIENT	-.00026	-.00707	-.00352	-.00341	-.00277	-.00351

SA-2F(8TPT-655)SRB (PPS035) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.6340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 145/ 0 RN/L = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.401	156.717	-.00615	333.11809	-.00450	-.01030	-.00788	-.00618
.400	159.075	-.00034	332.93647	-.01616	-.02108	-.01733	-.01810
.400	160.981	-.00322	332.48517	-.02490	-.02914	-.02503	-.02675
.400	162.886	.00381	332.84622	-.03258	-.03671	-.03263	-.03443
.401	164.751	.00765	333.20778	-.03822	-.04233	-.03997	-.04063
.400	166.892	.00563	332.57655	-.04214	-.04778	-.04630	-.04578
.400	168.838	.00641	332.75596	-.04532	-.05307	-.05212	-.05004
.400	170.075	.00119	332.30519	-.04791	-.05693	-.05652	-.05284
.400	171.044	.00145	332.57544	-.04975	-.05977	-.05957	-.05573
.401	173.081	.00287	333.29802	-.05566	-.06636	-.06727	-.05899
.400	174.840	-.00025	332.66681	-.05735	-.06217	-.06887	-.06430
.400	176.843	.00041	332.93758	-.06156	-.06246	-.06832	-.06288
.400	179.232	-.00146	332.03215	-.06119	-.06451	-.06533	-.06348
.400	181.174	-.00168	332.75651	-.06125	-.06493	-.06490	-.06575
	GRADIENT	.00002	-.01516	-.00226	-.00222	-.00254	-.00236

RUN NO. 146/ 0 RN/L = 5.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.601	156.394	-.01078	673.82479	-.00319	-.01441	-.01121	-.00716
.600	158.523	-.01046	672.98301	-.01282	-.02363	-.01984	-.01662
.600	160.947	.00405	673.48607	-.02404	-.03331	-.02916	-.02730
.600	162.679	.00219	673.15399	-.03181	-.03835	-.03454	-.03410
.601	164.834	.01023	673.74005	-.03808	-.04281	-.04007	-.04033
.600	166.939	.01041	672.90818	-.04228	-.04721	-.04566	-.04497
.600	168.621	.01000	673.74663	-.04571	-.05165	-.05057	-.04924
.601	170.083	.00653	673.73676	-.04824	-.05537	-.05500	-.05258
.600	171.556	-.00046	672.14765	-.04950	-.05744	-.05794	-.05413
.601	173.088	.00151	673.73676	-.05118	-.05925	-.06179	-.05531
.600	175.180	-.00275	673.07589	-.05550	-.06073	-.06526	-.05668
.600	177.154	.00257	672.24052	-.05885	-.06181	-.06467	-.06141
.600	179.110	.00174	672.48313	-.05954	-.06311	-.06436	-.06358
.600	181.173	-.00113	673.32497	-.06019	-.06394	-.06394	-.06437
	GRADIENT	.00019	-.03054	-.00220	-.00193	-.00223	-.00220

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SA-2F (8TPT-655) SRB (PPS035) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 144/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	156.139	-.00901	1005.74232	.00356	-.00473	.00104	.00230
.801	158.245	-.01269	1006.73095	.00031	-.00839	-.00033	-.00105
.801	160.553	-.00632	1006.36840	-.00052	-.00967	.00432	-.00259
.800	162.558	.00054	1006.15078	.00317	-.00904	.01264	-.00179
.801	164.406	.00850	1006.73095	.00644	-.00975	.01806	-.00129
.801	167.625	.00939	1007.00522	.00503	-.01702	.01539	-.00437
.801	169.160	.00780	1006.95715	-.00162	-.02362	.00600	-.00997
.800	170.941	.00557	1005.71301	-.00621	-.02904	-.00213	-.01354
.800	172.809	.00546	1005.14512	-.01626	-.03680	-.01678	-.02209
.800	174.768	.00065	1006.26187	-.03250	-.04643	-.03657	-.03662
.800	176.707	.00308	1006.67655	-.04825	-.05501	-.05258	-.05238
.800	178.813	.00456	1006.37702	-.05739	-.06115	-.06082	-.06117
.800	181.186	.00612	1005.15140	-.05866	-.06237	-.06302	-.06286
	GRADIENT	.00056	-.02100	-.00267	-.00257	-.00301	-.00276

RUN NO. 143/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	156.094	.01545	981.34219	.06702	.05371	.08320	.06092
.900	157.180	.00659	982.82855	.06503	.05117	.08288	.05905
.901	160.201	-.00399	983.45454	.07131	.05618	.09562	.06079
.901	162.531	-.00132	983.37239	.07011	.05413	.09908	.06217
.900	164.585	.00623	983.21701	.06746	.05026	.09906	.06324
.900	166.573	.00632	983.25360	.06387	.04509	.09696	.06247
.900	168.954	.00594	982.53570	.05815	.03531	.08810	.05785
.900	169.689	.00637	982.66849	.05709	.03176	.08398	.05411
.899	170.686	.00427	982.06466	.05313	.02592	.07718	.05062
.899	173.072	-.00218	981.90014	.04140	.00976	.05395	.03737
.900	175.084	.00168	983.32673	.01810	-.01074	.02081	.01606
.900	177.207	.00098	982.89246	-.01198	-.02870	-.01299	-.01407
.899	179.171	.00623	982.40764	-.03032	-.03630	-.03101	-.03242
.900	181.154	.00649	982.27525	-.02988	-.03225	-.03579	-.03201
	GRADIENT	-.00012	-.00690	-.00409	-.00406	-.00523	-.00385

SA-2F(8TPT-655)SRB (PPS035) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 142/ 0 RN/L = 4.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.999	155.890	.01749	931.99686	.10871	.09296	.14050	.10333
.998	158.184	.03093	931.80383	.10444	.08770	.13730	.09703
.999	160.259	.00041	931.78432	.09751	.08166	.12988	.09002
.999	162.381	-.00141	932.31181	.08930	.07557	.12081	.08058
.999	164.618	.00438	931.93253	.08285	.07222	.11193	.07329
.999	166.796	.01084	932.04814	.07532	.06676	.10223	.06674
.998	169.419	.01194	931.60422	.06746	.06693	.09801	.06371
.998	169.889	.01041	931.81033	.06657	.06605	.09670	.06269
.998	170.866	.00488	931.73947	.06387	.06245	.09303	.05951
1.000	173.066	-.00449	932.89634	.05564	.04949	.07935	.05231
1.000	174.828	-.00070	932.71035	.04565	.03238	.05920	.04432
1.000	177.195	.00006	933.15293	.02371	.00688	.02665	.02649
1.000	179.142	.00010	933.06236	.00598	-.00167	.00648	.00556
.999	181.138	.00392	932.46652	.00359	.00254	.00192	.00348
	GRADIENT	-.00067	.04432	-.00420	-.00379	-.00559	-.00382

RUN NO. 141/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.198	155.819	-.03025	874.43584	.09349	.08490	.10229	.09239
1.199	158.051	-.01227	874.85740	.08907	.07938	.10379	.08402
1.199	159.800	.00215	875.05153	.08909	.07796	.10688	.08336
1.199	162.367	.00567	875.23941	.08673	.07556	.10561	.08350
1.199	164.660	.00363	875.56473	.08153	.07134	.09846	.08236
1.200	166.805	.00680	875.89140	.07455	.06618	.08640	.07558
1.199	169.017	.00737	876.42955	.06324	.05675	.07089	.06353
1.199	169.890	.01188	875.05153	.05812	.05234	.06453	.05770
1.200	170.341	.00763	876.49020	.05518	.04985	.06050	.05411
1.200	172.955	-.00218	876.46888	.03625	.03258	.03854	.03609
1.200	174.924	-.00309	876.61419	.01791	.01457	.01594	.01711
1.199	177.068	-.00474	876.42955	.01537	.01447	.01290	.01510
1.199	179.103	-.00786	876.29348	.01765	.01707	.01477	.01707
1.199	181.177	-.00732	876.13461	.02304	.02039	.02029	.02113
	GRADIENT	.00028	.07577	-.00359	-.00318	-.00447	-.00349

SA-2F(8TPT-655)SRB (PPS036) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 73/ 0 RN/L = 5.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.001	95.541	-.03543	991.46809	.00000	.00000	.00000	.00000
1.001	97.518	-.03016	991.30264	.00000	.00000	.00000	.00000
1.002	99.638	-.02825	992.49749	.00000	.00000	.00000	.00000
.999	101.472	-.01806	989.79400	.00000	.00000	.00000	.00000
1.003	103.616	-.01038	993.29121	.00000	.00000	.00000	.00000
	GRADIENT	.00309	.11423	.00000	.00000	.00000	.00000

RUN NO. 72/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	95.805	-.02162	875.52669	.00000	.00000	.00000	.00000
1.200	97.724	-.02238	875.71891	.00000	.00000	.00000	.00000
1.200	99.624	-.01645	875.22088	.00000	.00000	.00000	.00000
1.200	101.706	-.01262	875.39337	.00000	.00000	.00000	.00000
1.201	103.501	-.02026	875.95877	.00000	.00000	.00000	.00000
1.199	105.692	-.01854	875.06532	.00000	.00000	.00000	.00000
1.199	107.768	-.00614	874.91540	.00000	.00000	.00000	.00000
1.199	109.828	-.00852	875.60613	.00000	.00000	.00000	.00000
1.199	111.747	-.01315	875.10955	.00000	.00000	.00000	.00000
1.198	113.918	-.01061	874.81341	.00000	.00000	.00000	.00000
1.199	115.836	-.00768	875.23941	.00000	.00000	.00000	.00000
1.200	117.971	-.00827	875.60266	.00000	.00000	.00000	.00000
	GRADIENT	.00063	-.01565	.00000	.00000	.00000	.00000

SA-2F(8TP1-655)SRB (PPS037) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	RTORKS =	.000

RUN NO. 89/ 0 RN/L = 6.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	116.074	-.06556	1006.25148	.00000	.00000	.00000	.00000
.800	118.312	-.05928	1006.09853	.00000	.00000	.00000	.00000
.800	120.462	-.05613	1006.43369	.00000	.00000	.00000	.00000
	.GRADIENT	.00215	.04057	.00000	.00000	.00000	.00000

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS038) (09 MAR 74)

REFERENCE DATA

SREF =	7.0890 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 137/ 0 RN/L = 5.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.599	-1.246	-.00565	670.12913	-.13425	-.11868	-.15258	-.15091
.599	1.011	-.00359	671.54822	-.13093	-.12993	-.14929	-.15116
.599	3.002	-.00281	670.88194	-.12629	-.13391	-.15169	-.15601
.599	5.045	-.00037	670.46807	-.12992	-.13835	-.15633	-.16241
.600	7.094	.01377	671.88539	-.13876	-.14415	-.16304	-.16856
.600	9.136	.02914	672.13947	-.14990	-.15171	-.17003	-.17383
.599	10.137	.03712	671.14098	-.15622	-.15621	-.17314	-.17601
.599	11.1[illegible]	.04376	670.62940	-.16190	-.15977	-.17557	-.17828
.599	13.210	.05612	671.46842	-.17177	-.16723	-.18111	-.18249
.599	15.245	.06868	671.30063	-.17925	-.17520	-.18876	-.18764
.599	17.308	.07737	671.38860	-.18466	-.18061	-.19739	-.19302
.599	19.374	.08264	671.38371	-.18855	-.17807	-.20340	-.19889
.599	21.439	.08786	671.64109	-.19125	-.17901	-.20432	-.20652
.599	23.560	.07569	671.30715	-.19306	-.17638	-.21068	-.21113
	GRADIENT	.00067	.18722	.00186	-.00362	.00024	-.00118

RUN NO. 136/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	-1.240	.00228	981.88675	-.13864	-.12580	-.15293	-.15190
.899	.961	.00605	980.64690	-.13381	-.13652	-.14997	-.15103
.900	3.003	.00673	982.07898	-.12817	-.14101	-.15415	-.15828
.900	5.075	.00243	982.30759	-.13322	-.14684	-.16128	-.16704
.900	7.100	.01701	982.44921	-.14373	-.15586	-.16854	-.17322
.899	9.162	.04192	981.30086	-.15681	-.16708	-.17591	-.17829
.899	10.239	.05797	981.60752	-.16507	-.17410	-.17976	-.18135
.899	11.259	.06886	981.07267	-.16968	-.17820	-.18199	-.18344
.900	13.324	.08345	982.30736	-.18137	-.18659	-.18729	-.18824
.899	15.407	.07946	981.56622	-.18950	-.19186	-.19291	-.19240
.899	17.580	.02916	980.77004	-.19575	-.19723	-.19814	-.19750
.899	19.721	-.03026	981.55289	-.20229	-.20257	-.20427	-.20291
.900	21.797	-.10955	982.53604	-.20979	-.20827	-.21051	-.20935
.900	24.008	-.27334	982.15197	-.21915	-.21684	-.22126	-.21908
	GRADIENT	.00106	.03742	.00246	-.00360	-.00027	-.00148

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PP3038) (09 MAR 74)

REFERENCE DATA

SREF =	7.0890 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTHRST =	.000

RUN NO. 135/ 6 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	-1.256	-.00659	875.95726	-.16543	-.15365	-.17549	-.17488
1.201	.958	-.00568	876.28666	-.14333	-.15493	-.17076	-.17089
1.201	3.002	-.00577	876.29787	-.14130	-.15420	-.17514	-.17680
1.200	5.085	.00223	876.01537	-.14766	-.16035	-.17933	-.18089
1.200	7.145	.01692	876.06576	-.15440	-.16634	-.18132	-.18257
1.200	9.181	.03120	876.06576	-.16891	-.17816	-.18917	-.18957
1.200	10.233	.04810	875.91456	-.18139	-.18581	-.19405	-.19407
1.200	11.262	.05799	876.06576	-.18302	-.18735	-.19545	-.19530
1.200	13.373	.08421	876.06576	-.19256	-.19193	-.19861	-.19793
1.200	15.464	.11167	875.70528	-.19690	-.19582	-.20191	-.19989
1.199	17.591	.14548	875.72222	-.19923	-.19920	-.20532	-.20242
1.199	19.764	.13728	875.80166	-.20260	-.19999	-.20529	-.20380
1.200	21.963	.10564	875.95899	-.20696	-.20155	-.20626	-.20587
1.200	24.241	.06772	875.92995	-.21042	-.20303	-.20836	-.20848
	GRADIENT	.00020	.08094	.00573	-.00014	.00011	-.00042

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS039) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 140/ 0 RN/L = 5.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	19.248	.07747	672.81530	-.18274	-.17186	-.19566	-.19178
.600	21.393	.08912	672.64594	-.18455	-.17232	-.19659	-.19787
.600	23.446	.10127	671.89683	-.18684	-.17182	-.20365	-.20350
.599	25.568	.08663	671.65252	-.19051	-.16929	-.21163	-.20981
.600	27.655	.09948	672.31540	-.19655	-.17235	-.21840	-.21616
.600	29.732	.19149	673.23209	-.20851	-.18418	-.22766	-.22549
.600	30.783	.28532	672.40172	-.21768	-.19340	-.23408	-.23236
.600	31.788	.35042	672.14601	-.22554	-.19944	-.23946	-.23885
.600	33.930	.56836	673.06768	-.24223	-.23405	-.25728	-.25750
.600	36.163	.88121	673.06768	-.26271	-.27502	-.27367	-.27306
.600	38.404	1.15085	672.06459	-.26777	-.27675	-.28434	-.27722
.600	40.551	1.21788	672.15419	-.26067	-.23864	-.28854	-.28376
.600	42.629	1.16441	673.06439	-.25241	-.26252	-.29594	-.29027
.599	44.740	.95225	670.56742	-.24489	-.29161	-.30158	-.29444
	GRADIENT	.05261	-.02034	-.00363	-.00523	-.00474	-.00452

RUN NO. 139/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	19.482	.46277	903.12106	-.19095	-.19344	-.20145	-.19110
.900	21.782	.54177	902.71881	-.19645	-.19981	-.21099	-.19685
.899	23.929	.66144	901.57111	-.20832	-.20785	-.22010	-.20617
.901	26.072	.48046	903.18557	-.21910	-.21465	-.22010	-.21750
.900	28.368	-.32995	902.04215	-.23331	-.22832	-.23329	-.23291
.900	30.528	-.04905	902.79202	-.24277	-.23666	-.24172	-.24283
.900	31.654	.08463	903.35872	-.24642	-.24024	-.24737	-.24771
.899	32.828	-.00270	901.93231	-.24960	-.24204	-.24894	-.24949
.899	35.074	-.02977	901.30995	-.24991	-.23770	-.25046	-.25013
.900	37.429	.14006	902.19755	-.24683	-.22541	-.25668	-.25441
.900	39.854	.23972	902.14719	-.26370	-.23694	-.27208	-.27072
.900	41.027	.23452	902.79651	-.27122	-.24248	-.28035	-.27771
	GRADIENT	-.01926	-.02343	-.00353	-.00210	-.00340	-.00394

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS039) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.0340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 130/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	19.636	.15596	875.02251	-.18670	-.18238	-.18700	-.18549
1.198	21.949	.12557	875.57343	-.19356	-.18753	-.19186	-.19180
1.199	24.186	.08604	876.27067	-.19982	-.19114	-.19735	-.19660
1.200	26.351	.04754	876.13156	-.20863	-.19802	-.20579	-.20568
1.200	28.455	.01269	875.97267	-.21375	-.20028	-.21310	-.21264
1.200	30.965	-.04723	875.97267	-.21646	-.20155	-.22218	-.21969
1.199	32.092	-.08683	875.58616	-.21826	-.21268	-.23292	-.23100
1.200	33.238	-.09462	876.13156	-.21777	-.21872	-.23616	-.23386
1.200	35.502	-.07109	876.16829	-.22439	-.22907	-.24269	-.24070
1.200	37.642	-.00796	876.11021	-.22869	-.22630	-.24427	-.24180
1.199	40.005	.01812	875.59237	-.23877	-.24135	-.25376	-.25099
1.199	42.256	-.01043	875.75885	-.26735	-.27913	-.28234	-.28285
1.200	44.545	-.03764	876.03076	-.26792	-.27955	-.28041	-.28323
1.199	46.807	-.04084	875.20413	-.26242	-.27533	-.27412	-.27768
	GRADIENT	-.00604	.00069	-.00298	-.00384	-.00372	-.00381

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SA-2F (STPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS040) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FLOSTK =	.000
AFTSTK =	.000	ATTRNS =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 52/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	79.555	-.04528	672.82842	.00000	.00000	.00000	.00000
.600	80.739	-.03620	673.56909	.00000	.00000	.00000	.00000
.600	82.924	-.04484	672.99121	.00000	.00000	.00000	.00000
.601	84.898	-.00807	674.07206	.00000	.00000	.00000	.00000
.600	86.999	-.05166	673.24030	.00000	.00000	.00000	.00000
.600	89.016	-.04278	673.07589	.00000	.00000	.00000	.00000
.600	90.847	-.03225	673.49265	.00000	.00000	.00000	.00000
.600	92.887	-.03087	673.74828	.00000	.00000	.00000	.00000
.600	95.120	-.01288	672.98957	.00000	.00000	.00000	.00000
.600	96.999	-.00312	673.24030	.00000	.00000	.00000	.00000
.600	98.977	-.05150	672.74374	.00000	.00000	.00000	.00000
.600	100.958	-.06442	673.40799	.00000	.00000	.00000	.00000
.600	103.647	-.08929	672.49132	.00000	.00000	.00000	.00000
	GRADIENT	-.00022	-.01793	.00000	.00000	.00000	.00000

RUN NO. 51/ 0 RN/L = 5.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	80.008	-.02557	981.99179	.00000	.00000	.00000	.00000
.900	82.380	-.02657	981.79993	.00000	.00000	.00000	.00000
.900	84.547	-.02534	982.14285	.00000	.00000	.00000	.00000
.899	85.626	-.01775	981.43390	.00000	.00000	.00000	.00000
.899	88.563	-.02586	981.77690	.00000	.00000	.00000	.00000
.899	90.490	-.03584	981.65792	.00000	.00000	.00000	.00000
.899	92.544	-.03648	981.65792	.00000	.00000	.00000	.00000
.899	94.351	-.05848	981.45211	.00000	.00000	.00000	.00000
.900	96.353	-.03893	982.76918	.00000	.00000	.00000	.00000
.899	98.180	-.02399	981.58021	.00000	.00000	.00000	.00000
.900	100.468	-.02192	981.74957	.00000	.00000	.00000	.00000
.900	103.866	-.03994	981.79993	.00000	.00000	.00000	.00000
	GRADIENT	-.00041	-.00156	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS040) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 50/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	79.900	.01195	875.56177	.00000	.00000	.00000	.00000
1.198	81.948	.00915	875.76521	.00000	.00000	.00000	.00000
1.199	83.996	.00833	875.34642	.00000	.00000	.00000	.00000
1.199	86.031	.00716	875.21799	.00000	.00000	.00000	.00000
1.198	87.977	.00555	874.65520	.00000	.00000	.00000	.00000
1.199	89.928	.00943	875.15237	.00000	.00000	.00000	.00000
1.200	91.857	.00708	875.54041	.00000	.00000	.00000	.00000
1.200	93.804	.00712	875.38918	.00000	.00000	.00000	.00000
1.200	95.741	.00376	875.47232	.00000	.00000	.00000	.00000
1.200	97.796	.00026	875.33719	.00000	.00000	.00000	.00000
1.200	99.690	-.00323	875.44560	.00000	.00000	.00000	.00000
1.200	103.708	-.00670	875.43193	.00000	.00000	.00000	.00000
	GRADIENT	-.00067	.01426	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS041) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 63/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CP1	CP2	CP3	CP4
.599	76.219	.00057	670.81186	.00000	.00000	.00000	.00000
.599	78.265	-.03822	671.64273	.00000	.00000	.00000	.00000
.599	80.237	-.03055	671.72580	.00000	.00000	.00000	.00000
.598	82.151	-.04636	669.80312	.00000	.00000	.00000	.00000
.599	84.075	-.05474	669.96613	.00000	.00000	.00000	.00000
.598	86.180	-.06674	669.88625	.00000	.00000	.00000	.00000
.599	88.152	-.06527	670.22523	.00000	.00000	.00000	.00000
.599	90.190	-.06787	670.47619	.00000	.00000	.00000	.00000
.599	92.147	-.04762	669.97100	.00000	.00000	.00000	.00000
.600	94.239	-.01806	671.80069	.00000	.00000	.00000	.00000
.600	96.394	.00835	671.88866	.00000	.00000	.00000	.00000
.599	98.433	.01415	670.30185	.00000	.00000	.00000	.00000
.599	100.400	.01265	671.56128	.00000	.00000	.00000	.00000
	GRADIENT	.00164	.01451	.00000	.00000	.00000	.00000

RUN NO. 62/ 0 RN/L = 5.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CP1	CP2	CP3	CP4
.900	76.351	.02417	982.14285	.00000	.00000	.00000	.00000
.899	78.257	.03011	981.71741	.00000	.00000	.00000	.00000
.900	80.186	.02103	982.29824	.00000	.00000	.00000	.00000
.900	82.102	-.01385	982.09250	.00000	.00000	.00000	.00000
.900	84.000	-.04121	981.90497	.00000	.00000	.00000	.00000
.899	85.990	-.02446	981.70830	.00000	.00000	.00000	.00000
.900	87.875	-.00880	981.95533	.00000	.00000	.00000	.00000
.900	89.841	.01689	982.36682	.00000	.00000	.00000	.00000
.900	91.782	.01052	981.81816	.00000	.00000	.00000	.00000
.900	93.749	-.00621	982.22055	.00000	.00000	.00000	.00000
.900	95.750	-.01301	982.58634	.00000	.00000	.00000	.00000
.900	97.646	.00354	983.21701	.00000	.00000	.00000	.00000
.899	99.636	-.00208	981.88193	.00000	.00000	.00000	.00000
	GRADIENT	-.00073	.02263	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS041) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 61/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	75.911	.00410	875.67792	.00000	.00000	.00000	.00000
1.199	77.998	.01014	875.48530	.00000	.00000	.00000	.00000
1.198	79.939	.00874	874.96051	.00000	.00000	.00000	.00000
1.199	81.911	.01099	875.24821	.00000	.00000	.00000	.00000
1.198	83.920	.01038	875.22675	.00000	.00000	.00000	.00000
1.199	85.898	.00336	875.44111	.00000	.00000	.00000	.00000
1.199	87.861	.00644	875.41209	.00000	.00000	.00000	.00000
1.199	89.831	.00607	875.25457	.00000	.00000	.00000	.00000
1.200	91.810	.00132	875.51137	.00000	.00000	.00000	.00000
1.200	93.779	.00118	875.77512	.00000	.00000	.00000	.00000
1.200	95.808	.00053	875.64718	.00000	.00000	.00000	.00000
1.200	97.781	-.00460	875.66852	.00000	.00000	.00000	.00000
1.200	99.829	-.00972	875.74024	.00000	.00000	.00000	.00000
	GRADIENT	-.00065	.01663	.00000	.00000	.00000	.00000

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SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS042) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 170/ 0 RN/L = 5.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.599	135.365	-.24028	671.30063	.22400	.18797	.15186	.24717
.600	137.534	-.13914	672.47822	.19790	.15794	.13404	.19994
.599	139.568	-.13503	670.63590	.16800	.12640	.11457	.16685
.600	141.729	-.15901	672.21925	.13468	.09720	.10408	.14336
.599	143.856	-.21145	671.55312	.10798	.07811	.10903	.11869
.600	145.944	-.19412	672.98301	.08682	.05740	.10578	.07907
.599	148.094	-.23317	671.64599	.07009	.03917	.09247	.05180
.600	150.159	-.26353	672.13783	.04598	.02183	.05760	.03084
.600	152.256	-.30931	672.47658	.02262	.00867	.02322	.01803
.599	154.434	-.28138	670.96340	.00835	-.00221	.00392	.00604
.600	156.413	-.22414	672.39353	-.00247	-.01079	-.00344	-.00147
.600	158.450	-.20826	672.81038	-.01406	-.01953	-.00694	-.00379
.600	160.697	-.21666	671.81050	-.02560	-.02913	-.01302	-.00821
	GRADIENT	-.00312	.02337	-.01000	-.00839	-.00701	-.01015

RUN NO. 169/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	133.324	.02755	981.60752	.23361	.16788	.15087	.21939
.899	135.864	-.07866	980.80233	.20332	.14127	.13781	.17986
.900	137.992	-.13681	982.24790	.16608	.12378	.12173	.14749
.900	140.334	-.10233	982.57721	.13800	.11191	.11087	.12418
.900	142.641	.03649	982.71433	.13003	.10616	.11609	.11788
.900	144.896	.08308	982.21142	.12018	.09199	.11494	.10160
.900	148.400	.20944	982.45834	.13450	.09847	.12328	.08933
.899	149.515	.08110	981.74473	.13258	.10218	.11983	.08603
.899	151.788	-.13470	981.30995	.11423	.09207	.09920	.07803
.900	153.926	-.23680	982.22967	.10150	.08714	.09117	.07447
.900	156.126	-.26704	982.10162	.09146	.07931	.09493	.07428
.900	158.222	-.31510	981.94622	.08821	.07666	.10764	.07855
.900	160.356	-.37724	982.50412	.08602	.07241	.11490	.08021
	GRADIENT	-.01135	.01549	-.00491	-.00285	-.00137	-.00463

SA-2F(87PT-655)SRB W/ELC TUNNEL AND THRUST ATT (PPS042) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 168/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	133.592	.03383	875.46096	.19716	.18042	.18674	.18822
1.200	135.812	.03032	875.63172	.17900	.17289	.18204	.17958
1.200	138.034	.03994	875.85818	.16370	.15739	.16779	.16320
1.199	140.293	.03927	875.07294	.15487	.14423	.15577	.15118
1.199	142.526	.05138	875.55572	.14301	.13149	.14357	.13954
1.199	144.664	.03278	875.41209	.13259	.12237	.13407	.12811
1.200	146.916	.03154	875.60449	.12729	.11956	.13212	.12069
1.199	149.125	.03348	875.17378	.13744	.13308	.15360	.12739
1.199	151.324	.09366	875.40447	.17301	.14531	.16864	.12602
1.199	153.549	.07390	875.50530	.14355	.12451	.13155	.10897
1.200	155.763	.01866	875.56944	.11480	.10605	.11558	.09695
1.199	158.002	-.05035	875.16756	.11039	.09179	.11769	.09506
1.199	160.341	-.19888	875.44111	.09424	.08373	.11534	.09143
	GRADIENT	-.00422	-.00698	-.00280	-.00297	-.00238	-.00352

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS043) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 167/ 0 RN/L = 5.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	156.373	-.22273	671.98316	.00234	-.00644	.00103	.00331
.600	158.434	-.22246	672.97972	-.01068	-.01592	-.00171	.00110
.600	160.509	-.22657	672.89505	-.02162	-.02562	-.00839	-.00400
.600	162.528	-.19736	673.65045	-.03019	-.03410	-.02055	-.01608
.600	164.622	-.15144	672.97972	-.03674	-.04143	-.03339	-.03035
.600	166.712	-.10633	672.81858	-.04086	-.04760	-.04491	-.04165
.600	168.764	-.07883	672.81366	-.04216	-.05185	-.04840	-.05064
.600	170.825	-.05809	673.07096	-.04132	-.05615	-.05223	-.05633
.600	172.921	-.03357	673.06439	-.04179	-.05711	-.05843	-.06009
.600	174.900	-.01401	672.65086	-.04752	-.05432	-.06159	-.06012
.600	176.976	-.00190	672.31376	-.05354	-.05961	-.06268	-.06367
.600	179.000	-.00026	673.15399	-.05537	-.06231	-.06227	-.06439
.600	181.132	.00156	672.48641	-.05729	-.06343	-.06024	-.06359
	GRADIENT	.01117	-.00269	-.00206	-.00216	-.00285	-.00313

RUN NO. 166/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	156.025	-.27626	982.96103	.09210	.08032	.09652	.07741
.900	158.122	-.33268	982.75531	.09176	.08111	.11316	.08387
.900	160.227	-.37523	982.58167	.08702	.07353	.11805	.08307
.900	162.319	-.40568	983.25818	.07580	.05992	.10764	.08306
.900	164.437	-.39056	982.74146	.05765	.04917	.08869	.07901
.900	166.574	-.31972	982.94277	.05199	.04100	.08666	.06874
.900	168.678	-.16341	982.56782	.06060	.03076	.08009	.06183
.900	170.825	-.11199	982.63640	.05648	.01799	.06620	.05826
.900	172.853	-.07713	982.67268	.04229	.00388	.04941	.04679
.900	174.970	-.04556	982.50836	.01523	-.01367	.02208	.02175
.900	176.956	-.01971	982.76444	-.00943	-.02937	-.00592	-.01083
.900	179.022	.00203	982.84682	-.02691	-.03683	-.02522	-.03016
.900	181.128	.01159	983.33129	-.02839	-.03120	-.03378	-.03389
	GRADIENT	.01768	.00188	-.00500	-.00526	-.00609	-.00490

SA-2F(87PT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS043) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.6340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 165/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	155.442	.02370	875.16125	.10108	.09566	.09902	.08634
1.199	157.963	-.06208	875.30530	.09471	.08021	.10170	.08258
1.200	160.101	-.19324	874.96120	.08960	.08130	.10935	.08763
1.200	162.282	-.32949	875.51904	.07699	.08187	.10322	.08729
1.200	164.410	-.37564	875.59848	.07481	.08240	.09403	.08300
1.200	166.549	-.31980	875.68393	.08242	.07593	.08966	.08028
1.200	168.616	-.22669	875.79063	.07811	.06867	.08599	.07281
1.200	170.706	-.12699	875.23630	.06731	.05966	.07458	.06113
1.199	172.772	-.06110	875.62273	.04460	.03634	.05055	.04860
1.199	174.892	-.02809	875.80166	.02436	.01897	.02763	.02816
1.200	176.945	-.01964	875.90859	.01748	.01548	.01878	.01638
1.200	178.983	-.01142	875.97267	.02539	.01365	.02401	.01278
1.199	181.172	-.00743	875.31739	.03319	.01959	.03468	.02011
	GRADIENT	.00623	.01965	-.00330	-.00349	-.00378	-.00335

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SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (FPS044) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 125/ 0 RN/L = 5.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	-1.160	-.00386	671.98153	-.12800	-.12371	-.15118	-.15033
.600	1.614	-.00499	672.22907	-.12830	-.12992	-.14947	-.15222
.600	3.170	-.00369	671.98643	-.12818	-.13057	-.15118	-.15596
.600	4.863	-.00268	672.06323	-.13122	-.13285	-.15551	-.16157
.599	6.974	.00399	671.7.530	-.14147	-.13999	-.16295	-.16906
.600	9.014	.00924	672.31867	-.15367	-.14808	-.16974	-.17429
.600	9.970	.00808	672.23398	-.15853	-.15229	-.17230	-.17639
.600	11.214	.00773	672.48477	-.16194	-.15636	-.17423	-.17786
.600	13.139	-.00272	672.40663	-.16708	-.16258	-.17896	-.18120
.599	15.229	-.02074	670.55443	-.17153	-.17181	-.18485	-.18612
.600	17.378	-.05237	672.14765	-.17334	-.18058	-.19345	-.19276
.600	19.399	-.10382	672.32849	-.17471	-.18797	-.20316	-.20029
.600	21.453	-.17530	672.06950	-.17666	-.18492	-.20989	-.20144
.600	23.808	-.27863	672.98957	-.18182	-.18612	-.21646	-.20718
	GRADIENT	.00020	.00569	-.00045	-.00148	-.00065	-.00182

RUN NO. 124/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.901	-1.167	.01068	983.16211	-.13370	-.12912	-.15168	-.15076
.900	.837	.00528	982.78289	-.13322	-.13599	-.14949	-.15098
.901	2.756	.00307	983.35855	-.13013	-.13652	-.15278	-.15615
.900	5.083	-.00655	982.28000	-.13551	-.14139	-.16011	-.16524
.901	6.643	-.01823	983.39959	-.14603	-.15059	-.16862	-.17368
.900	9.077	-.03847	982.24790	-.15684	-.16175	-.17550	-.17874
.900	10.477	-.05143	982.04215	-.16539	-.16954	-.17977	-.18125
.899	11.677	-.06366	981.85460	-.17143	-.17455	-.18250	-.18331
.900	13.454	-.07266	982.87430	-.179.5	-.18139	-.18626	-.18633
.900	15.622	-.11229	982.07860	-.18615	-.18687	-.18995	-.19004
.901	17.569	-.14908	983.43623	-.19081	-.19150	-.19468	-.19428
.899	20.030	-.20587	981.66212	-.19555	-.19782	-.20103	-.19966
.900	22.067	-.27622	982.56342	-.20005	-.20459	-.21055	-.20539
.899	24.441	-.33005	981.35541	-.20408	-.21434	-.22060	-.21371
	GRADIENT	-.00195	.04831	.00091	-.00190	-.00027	-.00136

SA-2F(8YPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPSD44) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 123/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	-1.153	-.00558	876.00172	-.15725	-.15051	-.17461	-.17380
1.200	.900	-.00784	875.29839	-.15154	-.15394	-.17078	-.17139
1.199	2.976	-.00709	874.71089	-.14497	-.15176	-.17260	-.17413
1.199	5.455	-.00260	874.71089	-.15167	-.15879	-.17626	-.17741
1.199	7.028	.00237	874.71089	-.16322	-.16741	-.18277	-.18446
1.200	9.079	.00863	875.01334	-.17576	-.17902	-.19453	-.19570
1.199	10.242	.01167	874.27994	-.18422	-.18714	-.20100	-.20163
1.200	11.137	.01120	875.75568	-.18593	-.18821	-.20173	-.20241
1.200	13.334	.02568	875.61218	-.19272	-.19161	-.20128	-.20087
1.200	15.445	.04840	875.61218	-.19412	-.19251	-.19947	-.19882
1.200	17.752	.10738	875.81378	-.19575	-.19596	-.20078	-.19914
1.200	19.812	.16939	875.87187	-.20031	-.19976	-.20331	-.20109
1.199	22.427	.20163	875.49766	-.20400	-.20156	-.20623	-.20412
1.199	24.513	.23131	875.44871	-.20720	-.20339	-.20860	-.20696
	GRADIENT	-.00036	-.31257	.00297	-.00030	.00048	-.00008

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SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS045) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 126/ 0 RN/L = 5.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	19.351	-.11056	672.05151	-.16905	-.18096	-.19591	-.19231
.600	21.393	-.18167	672.96987	-.17010	-.17999	-.20221	-.19351
.600	23.609	-.26934	672.12801	-.17445	-.17550	-.20783	-.19934
.600	25.698	-.35336	671.63129	-.18409	-.19508	-.21807	-.20910
.599	27.729	-.42813	670.21386	-.19739	-.22465	-.23131	-.22270
.599	29.932	-.51078	671.46678	-.21522	-.24500	-.24817	-.24876
.600	31.169	-.54689	673.22880	-.22463	-.25635	-.25830	-.26086
.600	32.055	-.55339	671.72253	-.22976	-.25926	-.26420	-.26266
.600	34.375	-.56348	671.79579	-.23704	-.22751	-.27135	-.26434
.600	36.539	-.51681	672.05805	-.23548	-.21231	-.27248	-.27235
.600	38.704	-.34356	671.71599	-.24096	-.22429	-.27063	-.28026
.599	40.704	.12025	670.71575	-.23786	-.22388	-.27895	-.27910
	GRADIENT	-.00371	-.03857	-.00404	-.00261	-.00448	-.00490

RUN NO. 127/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	19.755	-.19678	982.43977	-.18604	-.18737	-.19212	-.18864
.898	22.026	-.24133	980.56809	-.19039	-.19314	-.20180	-.19407
.899	24.177	-.30469	982.10107	-.19389	-.20109	-.21043	-.19977
.900	27.052	-.37220	983.11591	-.20649	-.22028	-.21969	-.22065
.900	28.705	-.22983	982.77825	-.21741	-.23006	-.22541	-.23168
.900	31.152	-.07320	982.44889	-.23325	-.24520	-.24345	-.24756
.900	32.539	.01135	982.67761	-.23501	-.24070	-.25236	-.25172
.900	33.365	.09725	983.17135	-.23618	-.24110	-.25369	-.25451
.901	35.647	.30050	983.78800	-.23684	-.23551	-.26161	-.26524
.901	37.382	.51280	983.35409	-.23615	-.23690	-.26667	-.26807
	GRADIENT	.03998	.10738	-.00351	-.00332	-.00445	-.00503

SA-2F (BTPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS045) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 126/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	19.781	.16233	876.01348	-.18618	-.18370	-.18750	-.18547
1.200	22.113	.21479	875.80419	-.19224	-.18877	-.19324	-.19116
1.200	24.217	.24214	875.95533	-.19938	-.19407	-.19983	-.19852
1.200	26.436	.28480	876.05608	-.20323	-.19774	-.20502	-.20424
1.200	28.766	.30221	876.03478	-.20660	-.19908	-.21326	-.21181
1.200	31.037	.33115	875.63946	-.20746	-.21259	-.22027	-.21837
1.199	32.451	.36104	875.45751	-.20627	-.21756	-.22573	-.22282
1.199	33.387	.37010	875.34026	-.20625	-.21794	-.22679	-.22370
1.199	35.852	.42786	875.69459	-.21382	-.20894	-.23520	-.23117
1.199	38.215	.53766	875.96054	-.22722	-.22323	-.24365	-.24018
1.199	40.054	.61087	875.34785	-.23018	-.22923	-.24744	-.24399
1.197	42.697	.66081	874.76549	-.23140	-.23199	-.24826	-.24531
1.199	44.661	.69225	875.50672	-.24253	-.25002	-.25949	-.25617
1.200	47.160	.70431	875.97085	-.2[illegible]0	-.27039	-.28206	-.28429
	GRADIENT	.02136	-.02074	-.00223	-.00269	-.00312	-.00311

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS048) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	000	RTORKS =	.000

RUN NO. 107/ 0 RN/L = 5.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	39.424	-.77596	672.89177	.00000	.00000	.00000	.00000
.600	41.614	-.61485	672.06132	.00000	.00000	.00000	.00000
.600	43.644	-.47515	672.64922	.00000	.00000	.00000	.00000
.600	45.742	-.69024	673.56744	.00000	.00000	.00000	.00000
.600	47.748	-1.07325	672.80381	.00000	.00000	.00000	.00000
	GRADIENT	-.03181	.06348	.00000	.00000	.00000	.00000

RUN NO. 106/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	39.631	-.40642	981.93231	.00000	.00000	.00000	.00000
.900	42.075	-.46694	982.88344	.00000	.00000	.00000	.00000
.900	44.133	-.41714	983.11193	.00000	.00000	.00000	.00000
.900	46.176	-.42579	982.88508	.00000	.00000	.00000	.00000
.899	48.278	-.43764	981.96386	.00000	.00000	.00000	.00000
.900	50.306	-.35278	982.54516	.00000	.00000	.00000	.00000
.900	52.373	-.31848	982.81029	.00000	.00000	.00000	.00000
	GRADIENT	.00662	.01541	.00000	.00000	.00000	.00000

RUN NO. 105/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	39.609	-.07782	874.82208	.00000	.00000	.00000	.00000
1.199	41.896	-.05353	875.05769	.00000	.00000	.00000	.00000
1.199	43.912	.01230	875.08671	.00000	.00000	.00000	.00000
1.198	45.953	.07551	874.65029	.00000	.00000	.00000	.00000
1.198	48.012	.03274	874.79418	.00000	.00000	.00000	.00000
1.199	50.056	.04327	874.95948	.00000	.00000	.00000	.00000
1.199	52.129	.07625	874.96448	.00000	.00000	.00000	.00000
1.199	54.176	.07536	874.94308	.00000	.00000	.00000	.00000
1.198	56.190	.07579	874.64282	.00000	.00000	.00000	.00000
1.199	58.196	.07120	874.82208	.00000	.00000	.00000	.00000
1.198	60.189	.07153	874.74373	.00000	.00000	.00000	.00000
1.199	62.194	.08157	875.12470	.00000	.00000	.00000	.00000
1.199	64.121	.09908	874.98727	.00000	.00000	.00000	.00000
	GRADIENT	.00563	.00042	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS047) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 110/ 0 RN/L = 5.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	59.628	.24952	672.47166	.00000	.00000	.00000	.00000
.600	61.826	.28060	672.38534	.00000	.00000	.00000	.00000
.600	63.839	.35924	672.80709	.00000	.00000	.00000	.00000
.600	65.847	.47281	672.38862	.00000	.00000	.00000	.00000
.600	67.893	.57626	672.14601	.00000	.00000	.00000	.00000
.600	69.862	.58311	672.14111	.00000	.00000	.00000	.00000
.600	71.849	.56608	672.56290	.00000	.00000	.00000	.00000
.600	73.798	.53781	672.55143	.00000	.00000	.00000	.00000
.600	75.790	.47523	671.88702	.00000	.00000	.00000	.00000
.600	77.732	.36983	671.97989	.00000	.00000	.00000	.00000
.600	79.702	.31193	672.56290	.00000	.00000	.00000	.00000
.599	81.598	.32977	670.97155	.00000	.00000	.00000	.00000
.600	83.527	.30271	672.23234	.00000	.00000	.00000	.00000
	GRADIENT	-.00034	-.02982	.00000	.00000	.00000	.00000

RUN NO. 109/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	64.528	.23330	982.09250	.00000	.00000	.00000	.00000
.899	66.391	.22221	981.54802	.00000	.00000	.00000	.00000
.900	68.301	.21798	981.91408	.00000	.00000	.00000	.00000
.899	70.257	.22648	981.21406	.00000	.00000	.00000	.00000
.900	71.204	.21708	982.28000	.00000	.00000	.00000	.00000
.900	72.179	.20936	982.57721	.00000	.00000	.00000	.00000
.899	74.152	.19656	981.65792	.00000	.00000	.00000	.00000
.899	76.102	.19098	981.70830	.00000	.00000	.00000	.00000
.900	78.035	.23160	982.09250	.00000	.00000	.00000	.00000
.900	79.992	.25292	982.27088	.00000	.00000	.00000	.00000
.900	81.943	.25620	982.54067	.00000	.00000	.00000	.00000
.899	83.847	.26666	981.44719	.00000	.00000	.00000	.00000
	GRADIENT	.00191	.01022	.00000	.00000	.00000	.00000

SA-2F (BTPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS047) (09 MAR 74)

REFERENCE DATA

SREF =	7.0830 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FINSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 108/ 0 RN/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.198	59.873	.08046	874.89508	.00000	.00000	.00000	.00000
1.199	62.149	.09947	875.14732	.00000	.00000	.00000	.00000
1.199	64.118	.11782	875.39954	.00000	.00000	.00000	.00000
1.199	66.091	.11167	875.26967	.00000	.00000	.00000	.00000
1.199	68.113	.12266	875.27719	.00000	.00000	.00000	.00000
1.199	70.041	.10769	875.19021	.00000	.00000	.00000	.00000
1.196	72.005	.09275	875.30518	.00000	.00000	.00000	.00000
1.199	73.958	.09480	875.44871	.00000	.00000	.00000	.00000
1.198	75.943	.12773	874.85473	.00000	.00000	.00000	.00000
1.198	77.932	.13535	875.20[illegible]	.00000	.00000	.00000	.00000
1.200	79.886	.13916	875.54041	.00000	.00000	.00000	.00000
1.199	81.863	.13839	875.26212	.00000	.00000	.00000	.00000
1.198	83.792	.13369	875.11188	.00000	.00000	.00000	.00000
	GRADIENT	.09186	.00475	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS048) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 55/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.599	79.644	.54667	671.74375	.00000	.00000	.00000	.00000
.600	82.383	.51471	672.74701	.00000	.00000	.00000	.00000
.600	84.431	.51053	672.33176	.00000	.00000	.00000	.00000
.600	86.680	.54035	672.91146	.00000	.00000	.00000	.00000
.600	89.057	.56251	672.40991	.00000	.00000	.00000	.00000
.600	90.913	.57444	672.08257	.00000	.00000	.00000	.00000
.600	92.981	.58578	672.75029	.00000	.00000	.00000	.00000
.600	94.228	.59672	672.57928	.00000	.00000	.00000	.00000
.600	96.302	.57604	672.24870	.00000	.00000	.00000	.00000
.600	98.402	.56256	672.58420	.00000	.00000	.00000	.00000
.600	100.171	.54629	673.66033	.00000	.00000	.00000	.00000
.600	103.306	.51782	673.24687	.00000	.00000	.00000	.00000
	GRADIENT	.00104	.04213	.00000	.00000	.00000	.00000

RUN NO. 54/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	80.244	.36689	981.72652	.00000	.00000	.00000	.00000
.899	82.621	.37812	981.71741	.00000	.00000	.00000	.00000
.899	84.670	.39494	981.58021	.00000	.00000	.00000	.00000
.899	87.031	.39812	981.58021	.00000	.00000	.00000	.00000
.899	88.949	.40549	981.71741	.00000	.00000	.00000	.00000
.899	90.895	.40858	981.64881	.00000	.00000	.00000	.00000
.899	92.685	.40343	981.58021	.00000	.00000	.00000	.00000
.899	94.854	.39148	981.71741	.00000	.00000	.00000	.00000
.899	96.168	.37902	981.51161	.00000	.00000	.00000	.00000
.900	98.564	.35306	981.97356	.00000	.00000	.00000	.00000
.900	99.888	.34482	981.80904	.00000	.00000	.00000	.00000
.900	103.657	.41526	982.22055	.00000	.00000	.00000	.00000
	GRADIENT	-.00019	.01560	.00000	.00000	.00000	.00000

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DATE 18 APR 74

TABULATED SOURCE DATA LARC 8-655/662 (SA-2FA/8)

(PPS048) (09 MAR 74)

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 53/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	79.992	.23610	876.26572	.00000	.00000	.00000	.00000
1.199	82.288	.24045	876.29471	.00000	.00000	.00000	.00000
1.199	84.202	.23845	876.49519	.00000	.00000	.00000	.00000
1.199	86.212	.23994	875.56592	.00000	.00000	.00000	.00000
1.198	88.162	.24238	874.49699	.00000	.00000	.00000	.00000
1.198	89.962	.24198	874.38955	.00000	.00000	.00000	.00000
1.198	91.863	.24898	875.38560	.00000	.00000	.00000	.00000
1.199	94.026	.25082	875.95554	.00000	.00000	.00000	.00000
1.201	95.918	.24707	876.54633	.00000	.00000	.00000	.00000
1.200	97.869	.24670	876.37584	.00000	.00000	.00000	.00000
1.200	99.834	.24644	876.19369	.00000	.00000	.00000	.00000
1.201	104.030	.25679	876.51724	.00000	.00000	.00000	.00000
	GRADIENT	.00071	.02077	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS049) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 60/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	76.822	-.77814	672.71914	.00000	.00000	.00000	.00000
.600	78.782	-.80981	672.80709	.00000	.00000	.00000	.00000
.600	80.720	-.82953	673.38030	.00000	.00000	.00000	.00000
.601	82.658	-.86834	673.80823	.00000	.00000	.00000	.00000
.600	84.623	-.91209	673.30688	.00000	.00000	.00000	.00000
.600	86.586	-.90062	672.47986	.00000	.00000	.00000	.00000
.601	88.524	-.86544	673.81647	.00000	.00000	.00000	.00000
.600	90.515	-.85523	673.14085	.00000	.00000	.00000	.00000
.600	92.442	-.84840	673.48278	.00000	.00000	.00000	.00000
.600	94.415	-.84985	672.81038	.00000	.00000	.00000	.00000
.600	96.377	-.84436	672.89177	.00000	.00000	.00000	.00000
.601	98.325	-.86484	673.72523	.00000	.00000	.00000	.00000
.601	100.451	-.89613	673.81317	.00000	.00000	.00000	.00000
	GRADIENT	-.00228	.02118	.00000	.00000	.00000	.00000

RUN NO. 59/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	76.654	-.49551	982.59079	.00000	.00000	.00000	.00000
.901	77.654	-.48093	983.63264	.00000	.00000	.00000	.00000
.900	79.644	-.45724	983.31300	.00000	.00000	.00000	.00000
.901	81.592	-.46502	983.51861	.00000	.00000	.00000	.00000
.900	83.119	-.44064	983.31300	.00000	.00000	.00000	.00000
.900	85.564	-.47731	982.74173	.00000	.00000	.00000	.00000
.900	87.620	-.47938	982.61373	.00000	.00000	.00000	.00000
.900	89.392	-.46372	982.55429	.00000	.00000	.00000	.00000
.900	89.604	-.45330	982.66849	.00000	.00000	.00000	.00000
.900	91.406	-.46104	982.82855	.00000	.00000	.00000	.00000
.900	93.245	-.45871	982.75999	.00000	.00000	.00000	.00000
.900	95.256	-.44020	983.03423	.00000	.00000	.00000	.00000
.900	97.178	-.42474	982.70519	.00000	.00000	.00000	.00000
.900	99.134	-.40146	983.08908	.00000	.00000	.00000	.00000
.901	100.107	-.39852	983.42263	.00000	.00000	.00000	.00000
	GRADIENT	.00292	-.00942	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS050) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 81/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	96.335	-.79360	672.32849	.00000	.00000	.00000	.00000
.600	98.296	-.82408	671.98316	.00000	.00000	.00000	.00000
.600	100.246	-.85226	672.57109	.00000	.00000	.00000	.00000
.599	102.253	-.88531	671.49451	.00000	.00000	.00000	.00000
.600	104.279	-.94362	671.90337	.00000	.00000	.00000	.00000
.599	106.171	-.99456	671.66394	.00000	.00000	.00000	.00000
.600	108.144	-1.03084	672.90490	.00000	.00000	.00000	.00000
.600	110.121	-1.05372	672.32521	.00000	.00000	.00000	.00000
.600	112.074	-1.01219	672.07277	.00000	.00000	.00000	.00000
.600	114.029	-.98191	672.08094	.00000	.00000	.00000	.00000
.600	116.030	-.98296	672.16237	.00000	.00000	.00000	.00000
.600	118.050	-.99643	672.41318	.00000	.00000	.00000	.00000
.599	120.051	-1.01027	671.66068	.00000	.00000	.00000	.00000
	GRADIENT	-.00882	-.00209	.00000	.00000	.00000	.00000

RUN NO. 80/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	95.999	-.44500	982.20667	.00000	.00000	.00000	.00000
.900	98.013	-.44448	982.44008	.00000	.00000	.00000	.00000
.900	99.674	-.45525	982.98855	.00000	.00000	.00000	.00000
.900	101.613	-.45704	982.94284	.00000	.00000	.00000	.00000
.900	103.775	-.45158	982.14285	.00000	.00000	.00000	.00000
.900	105.821	-.44133	982.17020	.00000	.00000	.00000	.00000
.900	107.689	-.44141	982.67317	.00000	.00000	.00000	.00000
.900	109.634	-.43895	982.53604	.00000	.00000	.00000	.00000
.900	111.674	-.45448	982.37119	.00000	.00000	.00000	.00000
.900	113.577	-.48113	982.59547	.00000	.00000	.00000	.00000
.900	115.615	-.50735	982.50865	.00000	.00000	.00000	.00000
.900	117.577	-.50347	982.57721	.00000	.00000	.00000	.00000
.900	119.758	-.49831	982.73720	.00000	.00000	.00000	.00000
	GRADIENT	-.00252	.00485	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS050) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 82/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	96.514	-.17610	875.49286	.00000	.00000	.00000	.00000
1.200	98.584	-.17017	875.88552	.00000	.00000	.00000	.00000
1.201	100.475	-.16606	876.14122	.00000	.00000	.00000	.00000
1.200	102.476	-.16438	875.87781	.00000	.00000	.00000	.00000
1.200	104.513	-.16391	875.92046	.00000	.00000	.00000	.00000
1.199	106.436	-.16083	875.35543	.00000	.00000	.00000	.00000
1.199	108.455	-.14710	875.27600	.00000	.00000	.00000	.00000
1.200	110.402	-.13356	876.29639	.00000	.00000	.00000	.00000
1.200	112.373	-.12491	875.67026	.00000	.00000	.00000	.00000
1.199	114.408	-.12193	875.29112	.00000	.00000	.00000	.00000
1.199	116.320	-.13169	876.19123	.00000	.00000	.00000	.00000
1.199	118.286	-.13423	875.39683	.00000	.00000	.00000	.00000
1.199	120.426	-.13730	875.16125	.00000	.00000	.00000	.00000
	GRADIENT	.00217	-.01540	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS051) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 85/ 0 RN/L = 5.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	116.239	-.71379	672.05151	.00000	.00000	.00000	.00000
.599	118.287	-.71362	670.89334	.00000	.00000	.00000	.00000
.599	120.287	-.63121	671.13936	.00000	.00000	.00000	.00000
.599	122.276	-.60551	671.64599	.00000	.00000	.00000	.00000
.600	124.264	-.54407	672.14929	.00000	.00000	.00000	.00000
.599	126.285	-.51303	670.13399	.00000	.00000	.00000	.00000
.599	128.283	-.55131	671.47658	.00000	.00000	.00000	.00000
.600	130.299	-.64423	672.31540	.00000	.00000	.00000	.00000
.601	132.356	-.66739	673.64881	.00000	.00000	.00000	.00000
.599	134.386	-.61746	671.40165	.00000	.00000	.00000	.00000
.599	136.431	-.51761	671.56781	.00000	.00000	.00000	.00000
.599	138.501	-.47570	671.06278	.00000	.00000	.00000	.00000
.599	140.707	-.34374	671.14750	.00000	.00000	.00000	.00000
	GRADIENT	.00939	.00400	.00000	.00000	.00000	.00000

RUN NO. 84/ 0 RN/L = 5.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	116.118	-.34445	982.11548	.00000	.00000	.00000	.00000
.900	118.031	-.34647	982.33945	.00000	.00000	.00000	.00000
.899	120.001	-.35084	981.08591	.00000	.00000	.00000	.00000
.900	121.961	-.34766	982.84230	.00000	.00000	.00000	.00000
.899	123.987	-.33965	981.83638	.00000	.00000	.00000	.00000
.900	125.960	-.34187	982.17493	.00000	.00000	.00000	.00000
.899	128.049	-.34280	981.28267	.00000	.00000	.00000	.00000
.900	130.042	-.33227	982.17020	.00000	.00000	.00000	.00000
.901	132.054	-.33292	983.99788	.00000	.00000	.00000	.00000
.900	134.060	-.33539	981.82727	.00000	.00000	.00000	.00000
.900	136.136	-.36151	982.60460	.00000	.00000	.00000	.00000
.899	138.201	-.34979	981.67613	.00000	.00000	.00000	.00000
.899	140.394	-.35804	981.52557	.00000	.00000	.00000	.00000
	GRADIENT	-.00023	.00104	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPSD51) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 83/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	116.375	-.14284	874.70611	.00000	.00000	.00000	.00000
1.200	118.314	-.15243	874.98430	.00000	.00000	.00000	.00000
1.200	120.327	-.15696	875.79063	.00000	.00000	.00000	.00000
1.199	122.277	-.14546	874.52449	.00000	.00000	.00000	.00000
1.200	124.270	-.14124	875.73433	.00000	.00000	.00000	.00000
1.198	126.276	-.12896	874.66611	.00000	.00000	.00000	.00000
1.199	128.287	-.12468	875.41209	.00000	.00000	.00000	.00000
1.200	130.271	-.12223	875.68985	.00000	.00000	.00000	.00000
1.199	132.278	-.11204	874.58379	.00000	.00000	.00000	.00000
1.199	134.299	-.10525	875.46251	.00000	.00000	.00000	.00000
1.198	136.321	-.10720	874.33678	.00000	.00000	.00000	.00000
1.200	138.318	-.11538	875.69162	.00000	.00000	.00000	.00000
1.199	140.529	-.12490	875.38443	.00000	.00000	.00000	.00000
	GRADIENT	.00185	.00867	.00000	.00000	.00000	.00000

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SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS052) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 160/ 0 RN/L = 5.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	141.217	-1.31255	673.31839	.15867	.09094	.09920	.10565
.600	143.359	-1.16086	672.31376	.14402	.07067	.08065	.08343
.600	145.485	-.99459	672.39026	.12019	.05206	.05881	.06322
.600	147.708	-.86081	672.31048	.08755	.03389	.04023	.04748
.600	149.836	-.73369	673.14578	.07918	.02316	.02900	.03332
.600	152.004	-.56719	672.30885	.07794	.01600	.02917	.02046
.600	154.095	-.42860	672.64758	.06800	.00865	.02638	.01043
.600	156.160	-.28148	672.39845	.04947	-.00411	.01828	-.00311
.599	158.274	-.17861	671.22733	.02880	-.01592	.00659	-.01557
.600	160.567	-.10599	671.89847	.00759	-.02905	-.00959	-.02931
	GRADIENT	.06442	-.05682	-.00731	-.00581	-.00494	-.00669

RUN NO. 161/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	132.645	-1.29215	981.32399	.22818	.16364	.12479	.18806
.900	135.087	-1.36336	981.91887	.19838	.13133	.12029	.17039
.900	137.312	-1.37530	981.85028	.16182	.11420	.11022	.14347
.899	139.597	-1.40714	981.51646	.13535	.10874	.11010	.12095
.901	141.976	-1.46139	983.03866	.12071	.10321	.11589	.10683
.900	144.313	-1.45906	982.28469	.10507	.08898	.11456	.09175
.901	146.531	-1.31645	983.31748	.07152	.06278	.07418	.07205
.900	149.067	-1.13255	982.44452	.06000	.05904	.06309	.06871
	GRADIENT	.00552	.09058	-.01026	-.00594	-.00332	-.00769

RUN NO. 159/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	133.287	-.65500	875.49913	.16294	.15412	.16667	.15695
1.199	135.487	-.64478	875.67181	.15093	.14536	.15812	.14802
1.199	137.681	-.62493	875.42586	.14791	.14419	.15339	.15049
1.200	139.886	-.61115	875.72066	.14308	.13827	.14572	.14968
1.200	142.157	-.59707	875.74202	.13650	.12728	.13599	.14321
1.200	144.322	-.58579	876.08516	.13143	.12081	.13066	.13443
1.200	146.607	-.56912	875.74024	.12688	.11530	.12454	.12594
1.200	148.793	-.53030	875.69140	.12328	.11585	.12477	.12259
1.200	151.065	-.32759	875.84875	.11744	.11454	.12016	.11959
1.200	153.306	-.18695	875.67792	.11122	.10550	.11346	.11116
1.199	155.517	-.11081	875.63516	.10720	.09933	.11689	.10529
1.199	157.757	-.07464	875.43349	.09513	.08404	.10368	.09126
1.199	160.127	-.06521	875.51293	.07688	.06825	.07931	.07332
	GRADIENT	.02540	-.00097	-.00271	-.00278	-.00265	-.00281

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS053) (09 MAR 74)

REFERENCE DATA

SREF =	7.0620 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.09[illegible] SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 164/ 0 RN/L = 5.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	156.174	-.29391	672.73062	.05250	-.00127	.01918	.00101
.600	158.307	-.17953	672.97644	.03263	-.01355	.00910	-.01229
.600	160.362	-.11353	672.46347	.01522	-.02447	-.00413	-.02390
.599	162.530	-.05980	671.64109	-.00078	-.03419	-.01862	-.03449
.600	164.600	-.01563	672.64758	-.01421	-.04171	-.03221	-.04296
.600	166.696	.00210	673.31182	-.02526	-.04659	-.04424	-.04767
.600	168.779	.00429	672.73062	-.03428	-.04937	-.04959	-.04861
.600	170.838	.00225	672.80874	-.04369	-.05105	-.05313	-.05085
.600	172.890	.00029	672.31376	-.04889	-.04981	-.05890	-.05622
.601	174.956	-.00085	673.55592	-.05112	-.05029	-.06242	-.05852
.599	177.008	-.00084	671.55639	-.05459	-.05772	-.06292	-.06175
.600	178.965	-.00096	673.23373	-.05443	-.06156	-.06214	-.06405
.600	181.321	.00155	672.89997	-.05621	-.06356	-.06010	-.06438
	GRADIENT	.00881	.00854	-.00424	-.00216	-.00333	-.00239

RUN NO. 163/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	155.453	-.64867	981.94142	.06798	.05306	.07462	.06076
.899	157.952	-.42362	981.19998	.07110	.04250	.07677	.05195
.900	160.098	-.29769	982.14755	.07067	.03252	.06478	.05288
.900	162.241	-.20509	982.17020	.08681	.02699	.06389	.04988
.900	164.387	-.12121	982.56342	.09395	.02670	.06197	.03660
.900	166.491	-.06101	982.45800	.09255	.02011	.05365	.02222
.900	168.665	-.00444	982.46276	.08614	.01474	.04394	.01370
.900	170.762	-.00221	982.31171	.07252	.00917	.03799	.00815
.900	172.872	-.00867	982.74173	.05821	.00521	.03886	.00661
.900	174.916	-.00544	982.91086	.02901	-.01000	.02207	.00112
.900	176.989	-.00315	983.13833	-.00456	-.02708	-.00733	-.01866
.900	179.016	.00587	982.[illegible]231	-.02639	-.03550	-.02745	-.03231
.900	181.309	.00525	982.85595	-.02309	-.02857	-.03379	-.03247
	GRADIENT	.02117	.05034	-.00409	-.00331	-.00424	-.00383

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPSD53) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 162/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	155.230	-.13569	875.77702	.09248	.08503	.09771	.08909
1.200	157.779	-.08355	875.59081	.07725	.06824	.07804	.07056
1.200	162.175	-.08916	875.64889	.06309	.05184	.06684	.06211
1.200	164.323	-.14884	875.63353	.05942	.05007	.06349	.05669
1.200	166.494	-.10840	875.67026	.05398	.05526	.05873	.04449
1.200	168.583	-.05491	875.66258	.05217	.06016	.05598	.04512
1.200	170.686	-.02012	875.63513	.04674	.05223	.05020	.04117
1.200	172.783	-.00909	875.78473	.03714	.03654	.04048	.03061
1.199	174.882	-.00780	875.41209	.01806	.01771	.02189	.01485
1.199	178.997	-.00852	875.61376	.02077	.01916	.01922	.01189
1.199	181.190	-.00736	875.26082	.02555	.01854	.02620	.01869
	GRADIENT	.00546	-.00992	-.00272	-.00242	-.00285	-.00285

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS054) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 134/ 0 RN/L = 5.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	-1.352	-.00613	672.23561	-.13285	-.12462	-.15189	-.15097
.600	.952	-.00917	673.40635	-.13007	-.13240	-.14896	-.15139
.600	2.974	-.01105	672.98301	-.12621	-.13337	-.15112	-.15528
.600	4.993	-.01346	672.57109	-.12995	-.13624	-.15593	-.16160
.599	7.057	-.00926	671.73069	-.13850	-.14186	-.16214	-.16876
.600	9.101	-.01129	672.73554	-.15176	-.15012	-.16905	-.17529
.600	10.094	-.01799	672.64758	-.15008	-.15445	-.17190	-.17680
.599	11.138	-.01915	671.73069	-.16433	-.15922	-.17492	-.17913
.600	13.191	-.04305	671.90173	-.17237	-.16727	-.18058	-.18270
.600	15.254	-.08252	673.23537	-.17876	-.17446	-.18513	-.18586
.600	17.308	-.14032	673.31839	-.18409	-.17862	-.19086	-.19045
.600	19.375	-.21881	672.72898	-.19021	-.18628	-.20156	-.19713
.599	21.486	-.30623	671.90663	-.19648	-.20218	-.21378	-.20818
.600	23.611	-.43968	672.82022	-.20797	-.21875	-.22458	-.22185
	GRADIENT	-.00114	.03344	.00061	-.00172	-.00065	-.00168

RUN NO. 133/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	-1.163	.00725	981.79081	-.13680	-.12996	-.15189	-.15124
.899	.947	.00075	980.52272	-.13358	-.13609	-.14999	-.15160
.900	3.011	-.00959	982.42182	-.13026	-.13908	-.15429	-.15772
.900	5.106	-.02547	982.65951	-.13418	-.14382	-.16114	-.16615
.900	7.127	-.05266	982.22525	-.14444	-.15293	-.16866	-.17490
.899	9.205	-.09279	981.64881	-.15611	-.16434	-.17544	-.17987
.900	10.242	-.12790	982.18844	-.16449	-.17217	-.17966	-.18240
.899	11.269	-.15674	981.28678	-.17021	-.17709	-.18236	-.18468
.899	13.382	-.23316	980.97595	-.18226	-.18661	-.19112	-.18936
.900	15.463	-.31087	982.06515	-.19130	-.19316	-.20030	-.19370
.900	17.589	-.37262	981.92798	-.19822	-.19929	-.20709	-.19683
.900	19.704	-.40378	982.11965	-.20331	-.20446	-.21035	-.20362
.898	21.860	-.42754	980.57717	-.20891	-.20984	-.21435	-.20954
.900	24.068	-.46266	982.81489	-.21783	-.21768	-.22296	-.21819
	GRADIENT	-.00403	.14838	.00152	-.00219	-.00057	-.00155

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SA-2F (STPT-655) SRB W/ELE TUNNEL AND THRUST ATT (FPS054) (09 MAR 74)

REFERENCE DATA

BREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWD3TK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 132/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	-1.194	-.00515	875.62751	-.15931	-.14582	-.17522	-.17517
1.200	.947	-.00761	875.87187	-.15457	-.15580	-.16922	-.17036
1.200	3.002	-.01161	875.93592	-.14641	-.15315	-.17222	-.17420
1.200	5.043	-.01093	875.91458	-.15082	-.15802	-.17527	-.17686
1.199	7.104	-.00892	875.46251	-.15507	-.16319	-.18102	-.18320
1.199	9.180	-.00669	875.63516	-.16754	-.17459	-.19261	-.19432
1.199	10.199	-.01126	875.62751	-.17523	-.18203	-.19372	-.19646
1.199	11.251	-.01337	875.68557	-.18297	-.18565	-.19568	-.19568
1.199	13.389	-.02828	875.73598	-.19252	-.18973	-.19708	-.19664
1.199	15.496	-.05679	875.73598	-.19604	-.19263	-.19848	-.19805
1.199	17.630	-.08270	875.73598	-.19885	-.19562	-.20001	-.19991
1.199	19.824	-.16180	875.68557	-.20132	-.19879	-.20227	-.20210
1.199	21.994	-.21993	875.43349	-.20654	-.20544	-.20842	-.20801
1.199	24.257	-.21537	875.68557	-.21405	-.21012	-.21352	-.21319
	GRADIENT	-.00154	.07379	.00307	-.00177	.00073	.00025

SA-2F(6TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS055) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 131/ 0 RN/L = 5.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	19.339	-.21329	673.07280	-.18217	-.17693	-.19431	-.18367
.600	21.526	-.29707	673.15563	-.19051	-.18929	-.20615	-.19680
.600	23.470	-.41785	673.57402	-.19802	-.20595	-.21571	-.20968
.600	24.753	-.51238	672.40968	-.20502	-.21533	-.22225	-.21987
.600	27.606	-.70812	672.56782	-.22342	-.22822	-.23820	-.24038
.600	30.050	-.80838	672.31703	-.23253	-.22913	-.24925	-.24948
.600	30.739	-.81515	673.49101	-.23469	-.22754	-.25268	-.25162
.600	31.988	-.82601	672.81858	-.23770	-.22553	-.25676	-.25242
.600	34.031	-.81531	673.15092	-.24052	-.22158	-.26150	-.25394
.599	36.929	-.58987	671.40165	-.24519	-.22682	-.27182	-.26567
.600	38.205	-.44196	672.90818	-.24744	-.23529	-.27636	-.26964
	GRADIENT	-.02006	-.04007	-.00367	-.00256	-.00437	-.00437

RUN NO. 130/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	19.635	-.38444	981.96445	-.19248	-.19325	-.20308	-.19179
.899	21.719	-.41522	981.74473	-.19834	-.19871	-.20647	-.19718
.900	24.104	-.44937	981.82293	-.20667	-.20569	-.21431	-.20504
.899	26.161	-.36546	981.18180	-.21342	-.21379	-.22187	-.21438
.899	28.170	-.23438	981.23224	-.21882	-.22340	-.22839	-.22423
.900	30.547	-.15368	981.98008	-.22778	-.23277	-.23732	-.23428
.900	31.933	-.26819	982.06038	-.23397	-.23739	-.24104	-.24006
.900	32.957	-.36582	982.33472	-.24031	-.24125	-.24400	-.24494
.899	35.071	-.52305	981.33723	-.25065	-.24614	-.25319	-.25240
.900	36.147	-.40819	982.44921	-.25637	-.24647	-.27187	-.26420
	GRADIENT	.00038	.02264	-.00362	-.00328	-.00359	-.00408

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS055) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 129/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	19.746	-.14986	875.64528	-.18190	-.18046	-.18326	-.18217
1.200	21.785	-.20836	875.64718	-.19382	-.19217	-.19394	-.19425
1.200	24.214	-.20299	875.67623	-.20674	-.20121	-.20525	-.20487
1.200	26.340	-.21780	875.65489	-.21192	-.20581	-.21056	-.21080
1.200	28.577	-.27025	875.65489	-.22237	-.22040	-.22398	-.22362
1.200	30.886	-.35391	875.59081	-.23316	-.23647	-.23832	-.23747
1.199	32.152	-.37118	875.12470	-.23816	-.24270	-.24666	-.24582
1.199	33.720	-.36201	875.24700	-.23781	-.24367	-.24962	-.24707
1.199	35.436	-.32719	875.78786	-.23527	-.24167	-.24843	-.24624
1.199	37.685	-.40430	875.77403	-.24801	-.24971	-.26295	-.25863
1.199	40.013	-.43635	875.73116	-.25611	-.25778	-.27303	-.26900
1.199	42.634	-.47104	875.59237	-.26005	-.26898	-.28167	-.27970
1.199	44.644	-.48329	875.19024	-.26164	-.26764	-.28015	-.28122
1.199	46.899	-.45837	875.16756	-.25495	-.26641	-.27423	-.27662
	GRADIENT	-.01248	-.01131	-.00283	-.00333	-.00375	-.00374

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS056) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 58/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	79.550	.00716	672.89341	.00000	.00000	.00000	.00000
.600	81.825	.00182	672.64102	.00000	.00000	.00000	.00000
.600	83.811	.00456	672.63938	.00000	.00000	.00000	.00000
.600	85.803	-.00158	672.72242	.00000	.00000	.00000	.00000
.600	87.835	.00045	672.72734	.00000	.00000	.00000	.00000
.600	89.894	.00036	672.30721	.00000	.00000	.00000	.00000
.600	92.016	-.00545	672.47002	.00000	.00000	.00000	.00000
.600	93.770	-.01675	672.72406	.00000	.00000	.00000	.00000
.600	95.624	-.02114	673.14249	.00000	.00000	.00000	.00000
.600	97.590	.04417	672.46838	.00000	.00000	.00000	.00000
.600	99.601	.06469	672.64102	.00000	.00000	.00000	.00000
.600	101.532	.08027	672.05805	.00000	.00000	.00000	.00000
.600	103.378	.09568	672.31212	.00000	.00000	.00000	.00000
	GRADIENT	.00341	-.01654	.00000	.00000	.00000	.00000

RUN NO. 57/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	80.167	-.43192	982.48572	.00000	.00000	.00000	.00000
.900	82.499	-.41631	982.55429	.00000	.00000	.00000	.00000
.900	84.824	-.41350	982.12897	.00000	.00000	.00000	.00000
.899	86.473	-.41652	981.93656	.00000	.00000	.00000	.00000
.900	88.247	-.40924	982.57254	.00000	.00000	.00000	.00000
.900	89.711	-.40441	982.29824	.00000	.00000	.00000	.00000
.900	91.711	-.40629	982.42627	.00000	.00000	.00000	.00000
.900	93.773	-.38670	982.67885	.00000	.00000	.00000	.00000
.901	95.447	-.36476	983.42263	.00000	.00000	.00000	.00000
.901	97.920	-.35874	983.68283	.00000	.00000	.00000	.00000
.900	100.215	-.34278	983.02968	.00000	.00000	.00000	.00000
.900	103.656	-.29861	982.93827	.00000	.00000	.00000	.00000
	GRADIENT	.00506	.04811	.00000	.00000	.00000	.00000

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SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS056) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 56/ 0 RN/L = 4.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.198	79.990	-.26788	875.08291	.00000	.00000	.00000	.00000
1.198	81.832	-.26743	875.15770	.00000	.00000	.00000	.00000
1.197	83.735	-.27185	874.96611	.00000	.00000	.00000	.00000
1.199	85.661	-.27479	875.67316	.00000	.00000	.00000	.00000
1.199	87.742	-.28467	875.65040	.00000	.00000	.00000	.00000
1.200	89.669	-.28311	875.80011	.00000	.00000	.00000	.00000
1.199	91.583	-.28654	875.68557	.00000	.00000	.00000	.00000
1.200	93.566	-.28902	875.82914	.00000	.00000	.00000	.00000
1.200	95.381	-.28817	876.06386	.00000	.00000	.00000	.00000
1.199	97.464	-.28855	875.57710	.00000	.00000	.00000	.00000
1.200	99.277	-.28590	875.76338	.00000	.00000	.00000	.00000
1.200	103.957	-.28161	875.70528	.00000	.00000	.00000	.00000
	GRADIENT	-.00084	.03112	.00000	.00000	.00000	.00000

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPSD37) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 65/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	76.464	-.12724	672.56782	.00000	.00000	.00000	.00000
.599	78.413	-.11794	671.31042	.00000	.00000	.00000	.00000
.600	80.395	-.11352	673.06932	.00000	.00000	.00000	.00000
.600	82.432	-.10158	673.40963	.00000	.00000	.00000	.00000
.600	84.432	-.09831	672.23234	.00000	.00000	.00000	.00000
.600	86.410	-.10325	672.15419	.00000	.00000	.00000	.00000
.600	88.377	-.10102	672.57109	.00000	.00000	.00000	.00000
.600	90.378	-.10097	672.98465	.00000	.00000	.00000	.00000
.600	92.352	-.08359	673.23537	.00000	.00000	.00000	.00000
.600	94.429	-.12622	672.06950	.00000	.00000	.00000	.00000
.600	96.474	-.18287	672.48149	.00000	.00000	.00000	.00000
.600	98.280	-.22583	672.40500	.00000	.00000	.00000	.00000
.599	100.408	-.24901	671.14750	.00000	.00000	.00000	.00000
	GRADIENT	-.00438	-.01824	.00000	.00000	.00000	.00000

RUN NO. 64/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	76.337	.31958	982.88797	.00000	.00000	.00000	.00000
.901	78.237	.35442	983.42707	.00000	.00000	.00000	.00000
.900	80.119	.33787	982.03778	.00000	.00000	.00000	.00000
.899	82.110	.35785	981.75868	.00000	.00000	.00000	.00000
.900	84.027	.35371	982.17020	.00000	.00000	.00000	.00000
.899	85.994	.35827	981.62149	.00000	.00000	.00000	.00000
.899	87.861	.37444	981.75868	.00000	.00000	.00000	.00000
.900	89.909	.37841	981.96445	.00000	.00000	.00000	.00000
.900	91.820	.37701	982.03303	.00000	.00000	.00000	.00000
.900	93.809	.38466	981.89586	.00000	.00000	.00000	.00000
.900	95.712	.39128	982.27088	.00000	.00000	.00000	.00000
.900	97.749	.40534	982.19318	.00000	.00000	.00000	.00000
.900	99.751	.41258	982.24350	.00000	.00000	.00000	.00000
	GRADIENT	.00331	-.02403	.00000	.00000	.00000	.00000

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS058) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 173/ 0 RN/L = 5.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	135.163	-.36095	672.48477	.17519	.15868	.12904	.21895
.600	137.454	-.25291	672.56618	.14925	.13229	.11326	.18861
.600	139.568	-.20298	673.14578	.12991	.10775	.10028	.16453
.600	141.623	-.18168	672.39845	.11953	.08777	.09159	.13423
.600	143.757	-.19548	672.23071	.10111	.07232	.08437	.10329
.601	145.934	-.19935	673.73346	.07280	.05535	.07106	.07607
.600	148.115	-.18275	672.56454	.05016	.03966	.05721	.04994
.600	150.134	-.16027	673.05947	.03268	.02411	.03999	.03149
.600	152.197	-.10093	672.64922	.01598	.00786	.01774	.01435
.600	154.262	-.04708	672.48805	.00281	-.00531	-.00031	.00236
.600	156.346	-.00249	671.80723	-.00649	-.01453	-.01066	-.00736
.600	158.395	.01393	673.23373	-.01391	-.02249	-.01615	-.01599
.600	160.699	.01317	672.48477	-.02009	-.03088	-.02017	-.02668
	GRADIENT	.01304	-.00396	-.00806	-.00740	-.00631	-.00091

RUN NO. 172/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	133.416	.38081	982.07427	.19949	.14099	.12696	.19800
.899	135.689	.16849	980.45917	.16187	.11641	.11502	.16737
.900	137.907	.00601	982.27525	.13189	.10295	.10917	.14088
.899	140.258	.01016	981.58932	.11365	.09235	.09671	.11343
.899	142.457	.01738	981.73562	.10536	.08971	.10045	.10684
.900	144.850	-.01686	981.82727	.09312	.08085	.10205	.10099
.900	147.256	-.02270	981.72223	.08337	.07043	.09388	.09155
.900	149.501	-.08174	981.91887	.08024	.07159	.09644	.09311
.900	151.690	-.08203	982.37594	.07456	.06970	.09422	.09019
.899	153.821	.00313	981.58021	.06780	.06009	.08773	.07765
.900	156.038	.07876	982.59547	.06515	.04880	.08341	.06262
.899	158.184	.06467	981.36530	.06708	.04910	.08742	.05896
.900	160.473	.03222	981.90497	.07076	.05211	.09366	.05649
	GRADIENT	-.00643	.01509	-.00421	-.00300	-.00118	-.00451

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS058) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 171/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	133.447	.38665	875.80166	.19216	.18674	.19388	.19473
1.200	135.778	.37163	875.28071	.17978	.17534	.18784	.17747
1.199	138.072	.33747	875.36781	.17383	.16376	.17828	.16939
1.200	140.257	.30565	875.57544	.16833	.15372	.16747	.16228
1.199	142.365	.25376	875.15237	.15619	.13915	.15154	.14930
1.199	144.700	.18613	875.31256	.13580	.12354	.13327	.13336
1.199	146.837	.15340	875.34785	.12612	.11793	.12740	.12495
1.199	149.020	.13307	875.07427	.12535	.12087	.13314	.12340
1.199	151.336	.14607	875.46251	.11483	.11288	.11862	.11611
1.200	153.513	.16735	875.46096	.11182	.10379	.11607	.11222
1.200	155.690	.16633	875.44560	.11377	.10175	.12036	.11431
1.200	157.908	.14603	875.74797	.10873	.09598	.11600	.10342
1.200	160.317	.08494	875.44560	.09951	.08552	.10499	.09375
	GRADIENT	-.01065	.00139	-.00350	-.00360	-.00332	-.00352

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SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS059) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 176/ 0 RN/L = 5.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	156.371	-.00500	672.65578	-.00238	-.01143	-.00755	-.00539
.599	158.426	.00623	671.55149	-.00991	-.01947	-.01370	-.01366
.600	160.475	.01834	673.07096	-.01497	-.02669	-.01706	-.02324
.600	162.581	.02519	672.81038	-.01409	-.03347	-.01790	-.03150
.600	164.638	.03087	673.49265	-.01490	-.03955	-.02143	-.03693
.600	166.705	.02791	672.65578	-.01950	-.04551	-.02776	-.04219
.600	168.799	.02220	672.57109	-.02515	-.05067	-.03509	-.04741
.600	170.819	.01229	671.99297	-.03075	-.05519	-.04428	-.05242
.600	172.881	.00682	672.66397	-.04261	-.04922	-.05955	-.05475
.600	174.925	.00313	672.90161	-.05108	-.04957	-.06303	-.05638
.600	176.953	.00298	672.24052	-.05629	-.05632	-.06349	-.06007
.600	178.978	-.00014	672.66397	-.05585	-.06048	-.06268	-.06265
.600	181.143	-.00303	672.57765	-.05656	-.06282	-.06068	-.06363
	GRADIENT	-.00056	-.00065	-.00239	-.00189	-.00261	-.00230

RUN NO. 175/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	156.101	.05547	981.56622	.06990	.05309	.08816	.06724
.899	158.164	.06076	981.60327	.07211	.05277	.09057	.06274
.899	160.305	.03839	980.93049	.07842	.05786	.09834	.06067
.899	162.340	.02828	980.59644	.07695	.05521	.09906	.05817
.900	164.493	.01714	982.20230	.07336	.04979	.09733	.05686
.899	166.553	.00482	980.96684	.07123	.04067	.08914	.05445
.900	168.707	.01304	982.38529	.07254	.03136	.07540	.04283
.899	170.771	.00749	981.02135	.06044	.01842	.05707	.03083
.900	172.867	.00664	981.74045	.03784	.00535	.03769	.01912
.900	174.877	.00751	981.89586	.01278	-.01233	.01174	.00026
.900	176.934	.00927	982.02392	-.01222	-.02804	-.01293	-.02041
.900	178.989	.00780	982.16108	-.02954	-.03538	-.03000	-.03367
.900	181.134	.00312	982.44008	-.02535	-.02701	-.03485	-.03088
	GRADIENT	-.00205	.04077	-.00451	-.00416	-.00579	-.00439

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS059) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 174/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	155.566	.15566	875.28836	.10210	.09118	.10675	.10156
1.199	157.960	.12236	875.61376	.09516	.08289	.10100	.08740
1.200	160.081	.08990	876.02700	.08912	.07630	.09592	.07897
1.199	162.311	.04097	875.41209	.08165	.06899	.08923	.07205
1.199	164.428	.01545	875.71460	.07617	.06269	.08330	.06791
1.199	166.535	.01572	875.73598	.06927	.05606	.07307	.05825
1.200	168.643	.01551	875.67792	.06393	.05007	.06317	.05010
1.200	170.692	.02209	875.54807	.05040	.04603	.05066	.04137
1.199	172.778	.00956	875.31739	.03947	.03636	.04038	.03394
1.199	174.850	.00468	875.14614	.01848	.01539	.02290	.01743
1.199	176.893	.00009	875.75124	.01693	.01710	.02081	.01401
1.199	178.945	-.00533	875.67942	.02259	.02159	.02073	.01447
1.199	181.148	-.00677	875.89331	.02721	.01991	.02583	.01797
	GRADIENT	-.00547	.00299	-.00360	-.00311	-.00389	-.00356

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SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS060) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 150/ 0 RN/L = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	136.287	-.01701	332.75540	.25071	.17460	.15357	.22425
.401	138.779	-.00576	333.11586	.21217	.13620	.13431	.19224
.400	140.538	-.00737	332.75707	.18797	.11641	.12219	.16837
.401	142.523	-.01065	333.02506	.16380	.10013	.11297	.14709
.397	144.644	-.00430	327.14539	.13005	.07986	.09794	.12040
.400	146.489	.00043	332.11966	.09847	.05854	.07654	.08678
.399	148.453	.01309	331.30984	.07080	.03995	.05542	.05845
.401	149.547	.01167	333.93079	.05438	.02827	.04022	.04266
.400	150.713	.00755	332.93647	.04378	.02079	.03007	.03208
.400	152.895	.00414	331.85104	.02511	.00572	.01127	.01412
.401	154.921	.00362	333.74977	.01191	-.00517	-.00235	.00078
.401	156.804	.00279	333.47795	.00241	-.01401	-.01107	-.01051
.400	159.237	-.00322	331.85104	-.00912	-.02437	-.01997	-.02112
.400	160.992	-.00088	332.03215	-.01650	-.03138	-.02689	-.02897
	GRADIENT	.00059	.01426	-.01118	-.00821	-.00791	-.01074

RUN NO. 151/ 0 RN/L = 5.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.601	144.059	.01198	674.41393	.11556	.07334	.09481	.10898
.602	146.191	.00673	675.74473	.08230	.05068	.06955	.07545
.601	148.276	.02079	674.32929	.05612	.03234	.04732	.04835
.601	150.464	-.00822	675.40463	.03360	.01569	.02508	.02673
.601	153.091	-.02421	674.66620	.01446	.00041	.00458	.00788
.601	154.553	-.02170	674.91182	.00565	-.00772	-.00480	-.00091
.601	156.455	.00238	675.15907	-.00485	-.01781	-.01469	-.01096
.600	158.744	-.00106	673.57896	-.01511	-.02756	-.02396	-.02059
.600	160.745	-.00053	673.74663	-.02380	-.03515	-.03110	-.02877
	GRADIENT	-.00106	-.06397	-.00804	-.00636	-.00754	-.00793

SA-2F (8TPT-655) SRB W/ELE TUNNEL AND THRUST ATT (PPS060) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 152/ 0 RN/L = 6.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.801	144.806	.04741	1007.46000	.07514	.04554	.06501	.06932
.801	147.677	.06527	1007.77210	.07177	.02367	.03725	.03734
.800	148.840	-.01216	1006.97838	.01029	.01718	.02760	.02854
.801	149.827	-.11857	1007.44738	.04148	.01415	.02359	.02538
.801	152.167	-.12577	1007.26295	.02422	.00667	.01355	.01502
.801	154.245	-.02525	1008.44178	.01136	-.00144	.00397	.00551
.800	156.523	.00066	1007.22351	.01178	-.00882	-.00322	-.00115
.800	158.572	-.00193	1007.21091	.01147	-.01338	-.00602	-.00509
.801	160.541	-.01159	1007.53960	.01092	-.01453	-.00285	-.00638
	GRADIENT	-.00182	.00118	-.00392	-.00361	-.00414	-.00438

RUN NO. 149/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.898	133.490	-.04623	979.97869	.24498	.14900	.14208	.21882
.901	135.670	-.08483	983.88401	.19932	.13628	.12589	.18450
.901	138.093	-.03118	983.60991	.15515	.11446	.10376	.14387
.898	140.930	.05912	979.99549	.12079	.09811	.09082	.11246
.901	142.854	.07034	984.43145	.11273	.09788	.09894	.10549
.900	145.287	.12356	982.92451	.09545	.07954	.09426	.08677
.898	147.236	.11455	978.22045	.08552	.06827	.08519	.07529
.899	148.563	.07584	982.22007	.07886	.06158	.08019	.07005
.899	149.761	.03899	981.34632	.07783	.06030	.08018	.07011
.899	152.113	.03036	981.67186	.07643	.05890	.08136	.06996
.898	154.402	.04966	980.39318	.07209	.05400	.07860	.06226
.900	156.468	.04234	982.44452	.06557	.04872	.07739	.05548
.900	158.587	.01186	982.71410	.06201	.04601	.07995	.05361
.899	160.559	-.00455	981.32313	.06342	.04805	.08703	.05575
	GRADIENT	.00218	-.02031	-.00581	-.00378	-.00185	-.00545

SA-2F(8TPT-655)SRB W/ELE TUNNEL AND THRUST ATT (PPS060) (09 MAR 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	RTORKS =	.000

RUN NO. 148/ 0 RN/L = 4.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.999	133.287	.00275	932.96867	.18794	.15779	.15586	.17173
.999	135.724	-.00969	932.81396	.16835	.15684	.15694	.15725
.998	137.814	-.01190	932.07487	.16973	.16600	.16680	.15956
1.000	140.209	-.04512	933.14156	.15907	.15758	.16832	.15219
.999	142.521	-.09297	932.24196	.15727	.15186	.16679	.15131
1.000	144.767	-.02265	933.46232	.13990	.13175	.14727	.13412
1.000	147.040	-.04446	933.46232	.14121	.13770	.15252	.14418
1.001	149.150	.00132	934.19366	.13014	.12131	.14260	.12189
1.000	151.758	-.04568	933.58392	.11001	.09961	.13247	.10383
1.000	154.120	-.00715	933.09710	.10052	.08568	.12746	.09441
1.000	155.996	.04361	933.41139	.09688	.07906	.12445	.08875
1.000	158.320	.04271	933.48214	.09194	.07331	.12082	.08233
1.000	160.426	.00119	933.26989	.08555	.06750	.11357	.07617
	GRADIENT	.00169	.03540	-.00380	-.00397	-.00193	-.00366

RUN NO. 147/ 0 RN/L = 4.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.199	133.662	.00919	876.05518	.20059	.17574	.17940	.18737
1.201	135.983	.00673	876.65269	.18725	.17325	.18099	.18010
1.200	138.123	-.00102	875.36015	.17156	.16215	.17404	.16855
1.199	140.488	-.01514	875.02383	.15849	.14651	.15823	.15514
1.199	142.625	-.02670	875.34026	.14807	.13368	.14426	.14294
1.199	144.849	-.04594	875.41970	.13782	.12356	.13213	.13078
1.199	147.102	-.03533	875.69320	.12927	.11821	.12684	.12187
1.199	148.405	-.03362	875.74362	.13004	.12175	.13425	.12223
1.199	149.352	-.02501	875.28984	.13666	.12942	.14290	.12706
1.199	151.708	-.03041	875.21040	.12391	.11787	.12931	.11644
1.199	153.699	-.02510	875.38307	.11223	.10404	.11399	.10592
1.199	156.214	-.00247	875.44725	.10986	.09641	.11731	.10331
1.199	158.450	.00898	875.44725	.10759	.09405	.12066	.10086
1.199	160.386	.00773	875.49766	.10258	.08880	.11899	.09695
	GRADIENT	-.00010	-.02004	-.00349	-.00327	-.00256	-.00345

APPENDIX B

TABULATED SOURCE DATA

SA2FB (8 TPT-662)

Plotted data tabulations available
on request from DMS.

SA-2F-B (8TPT-662) SRB (RPS101) (09 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 22/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.400	38.031	.10865	5.16566	.61591	6.86195	-.01096	-2.23436	-1.09388	3.71878	.97824	.00000
.400	39.957	.12237	5.40071	.56783	7.14864	-.01242	-2.62554	-1.04746	3.90365	.96708	.00000
.400	41.965	.14943	5.75039	.49871	7.58295	-.01464	-3.43235	-.94517	4.21598	.93507	.00000
.400	43.974	.20846	6.15170	.41079	8.01194	-.01687	-5.02358	-.95298	4.56694	.90693	.00000
.400	45.994	.26939	6.57329	.31442	8.49050	-.02668	-6.63465	-.99921	4.94635	.87753	.00000
.400	48.004	.30499	6.96112	.23103	9.04164	-.02590	-7.44917	-1.19190	5.32804	.84193	.00000
.400	50.014	.33244	7.33766	.13910	9.52097	-.02566	-7.96051	-1.52158	5.71147	.80691	.00000
.400	52.011	.33264	7.71867	.03831	9.83862	-.02741	-7.77113	-1.80931	6.10686	.77303	.00000
.400	54.007	.30201	8.30337	-.05882	9.45016	-.02668	-7.72861	-.72728	6.68359	.73723	.00000
.400	56.008	.20771	8.88765	-.11778	9.34280	-.02534	-5.61461	-.10400	7.30303	.69376	.00000
.400	57.973	.20693	8.30693	-.21329	7.18670	-.01580	-4.65755	-1.43578	6.92949	.66183	.00000
.400	59.946	.21981	7.55524	-.26841	5.59859	-.02712	-4.89333	-1.65658	6.40505	.62702	.00000
.400	61.944	.22433	6.92062	-.32759	4.93409	-.01951	-5.45839	-1.10557	5.95331	.59531	.00000
.400	63.071	.21004	6.56056	-.37143	4.76783	-.02068	-5.46879	-.56126	5.68098	.58130	.00000
	GRADIENT	.00309	.09378	-.04185	-.07742	-.00035	-.08899	.00187	.11437	-.01693	.00000

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F-B (STPT-662) SRB (RPS102) (09 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 26/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CD	L/D	CAB
.405	56.868	.20625	0.29953	-.24459	7.31512	-.01425	-4.70513	-1.41622	6.97773	.64496	.00000
.401	59.925	.20434	0.17737	-.27617	7.11216	-.01099	-4.57818	-1.47346	6.93804	.62510	.00000
.400	61.941	.07817	7.63669	-.30454	6.28540	-.01354	-1.56882	-.80338	6.59584	.58536	.00000
.400	63.910	.07183	7.18139	-.36254	5.63928	-.00146	-1.84185	-.16979	6.29019	.55385	.00000
.400	65.905	.14026	6.80147	-.39521	5.32764	-.00314	-4.15854	.45616	6.13878	.51775	.00000
.400	67.931	.10792	6.06136	-.41485	5.04631	-.00218	-3.72565	1.10210	6.20276	.47759	.00000
.400	69.906	.08786	6.96404	-.48776	4.75470	-.00234	-3.28782	1.74931	6.37265	.44730	.00000
.401	71.903	.08122	7.16080	-.53450	4.97072	-.01092	-2.56003	.48824	6.64052	.41148	.00000
.400	73.907	.17224	7.84925	-.53559	5.68191	-.01028	-4.68326	.25035	7.39412	.36351	.00000
.400	75.941	.15641	8.17496	-.34435	7.08288	-.00935	-4.34630	.09059	7.84643	.29567	.00000
.400	77.943	.02223	7.95076	-.22296	6.62784	-.00670	-.64431	.04493	7.72880	.24309	.00000
.400	79.826	-.02237	7.68892	-.18707	6.13002	-.00633	.80075	-.25323	7.73458	.20222	.00000
.400	81.930	.04042	8.37245	-.03197	6.28772	-.01217	-.69808	-.59710	8.28505	.14569	.00000
.400	83.127	.05830	8.43557	-.04458	5.57145	-.01127	-.64717	-.59360	8.36962	.12590	.00000
	GRADIENT	-.00556	.02438	.00811	-.01111	-.00004	.13609	.02394	.07446	-.02156	.00000

SA-2F-B (8TPT-662) SRB (RPS103) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 29/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.400	78.848	.01167	7.91852	-.12920	6.14545	-.00688	-.06974	-.35387	7.74401	.21414	.00000
.400	79.980	-.01029	7.89835	-.09447	5.60254	-.01053	.47607	-.26706	7.76143	.18905	.00000
.401	81.898	.03528	8.13899	.07925	5.37425	-.01053	-.57822	-.54332	8.06893	.13244	.00000
.400	83.938	.01637	8.19133	.09794	4.67626	-.00610	-.17244	-.38519	8.15587	.09413	.00000
.400	85.877	.00144	8.14233	.12119	3.92067	-.00284	.09790	-.19109	8.12996	.05715	.00000
.400	87.879	.00199	8.16888	.12234	3.36723	-.00666	.16194	-.30105	8.16781	.02205	.00000
.400	89.881	.01617	8.19007	.08966	2.82294	-.00139	-.14896	-.40572	8.19024	-.00888	.00000
.400	91.863	.00195	8.15569	.04383	2.21831	.00049	.26642	-.44535	8.14996	-.03790	.00000
.400	93.869	-.01099	8.11552	.01517	1.33209	.00109	.43935	-.19424	8.09599	-.06952	.00000
.400	95.833	-.02671	8.13052	-.08686	.89274	-.00297	.87961	-.20555	8.09724	-.09138	.00000
.400	97.841	-.00504	8.25794	-.17241	-.00939	.00539	-.00058	.19426	8.20426	-.11649	.00000
.400	99.801	.01234	8.23191	-.27453	-1.32833	.01042	-.71292	.51825	8.15850	-.13859	.00000
.400	101.811	.02258	8.17685	-.39009	-1.98289	.01345	-1.00133	.51756	8.08358	-.15961	.00000
.400	102.996	.01736	7.99768	-.46819	-2.28702	.01027	-.74892	.36583	7.89811	-.16996	.00000
	GRADIENT	-.00014	.00586	-.01612	-.34919	.00089	-.02247	.03622	.00709	-.01562	.00000

ORIGINAL PAGE IS
OF POOR QUALITY

SA-2F-B (8TPT-662)SRB (RPS104) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 32/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.400	76.792	.18269	7.56830	-.29480	3.70012	.00486	-4.96790	.07134	7.30075	.27616	.00000
.400	78.084	.11900	7.54314	-.10840	4.35471	.00069	-3.60007	-.13690	7.35820	.22609	.00000
.400	80.084	.11882	7.85651	.08836	4.79071	.00502	-3.89598	-.28788	7.75435	.16325	.00000
.400	82.059	.08544	7.87321	.12355	3.80858	.00412	-3.35041	-.47499	7.81477	.12354	.00000
.400	84.056	.08344	7.91619	.10288	3.01633	.00239	-3.37482	-.51681	7.88429	.09100	.00000
.400	86.046	.11119	8.03686	.06958	2.52682	.00373	-3.73994	-.33261	8.02255	.06042	.00000
.400	88.031	.08965	8.20862	.12751	2.45667	.01083	-2.85187	-.19526	8.20816	.01883	.00000
.400	90.043	.08255	8.25404	.12470	1.90648	.01101	-2.38716	-.06440	8.25395	-.01586	.00000
.400	92.035	.08941	8.24705	.05397	1.34619	.01189	-2.19739	.11159	8.23993	-.04208	.00000
.400	94.019	.05178	8.34753	-.04355	.38767	.01530	-1.69758	-.13451	8.33006	-.06501	.00000
.400	96.005	.05054	8.44550	-.13642	-.34808	.01210	-1.94371	-.26647	8.41343	-.08889	.00000
.400	97.973	.03870	8.35528	-.22131	-1.32394	.01821	-1.48907	-.20228	8.30521	-.11315	.00000
.400	99.981	.08958	8.19445	-.29804	-1.77623	.02062	-1.80902	.31784	8.12206	-.13873	.00000
.400	100.828	.15102	7.97380	-.31812	-1.69610	.01877	-2.97771	.57315	7.89159	-.15023	.00000
	GRADIENT	-.00225	.02736	-.00888	-.27180	.00076	.10379	.01917	.03234	-.01661	.00000

SA-2F-B (8TPT-662) SRB (RPS105) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 5/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.400	136.443	.00784	7.07726	-2.39405	-2.98758	-.00280	1.39899	.34275	6.61171	-.52621	.48555
.400	137.341	.01185	6.75628	-2.41313	-3.11175	-.00681	.55273	.19379	6.35288	-.52470	.45636
.400	139.406	.00741	6.20872	-2.44476	-3.23238	-.00504	.09535	.06905	5.89641	-.52976	.40494
.400	141.475	.01620	5.62960	-2.47936	-3.12696	-.00626	-.38264	.02751	5.44613	-.52513	.36126
.400	143.506	.02591	5.02419	-2.50930	-3.11527	-.00567	-.70392	.02423	5.00535	-.50879	.31813
.400	145.599	.02842	4.38354	-2.52200	-3.17307	-.00566	-.54406	.07352	4.55752	-.48097	.26101
.400	147.653	.02290	3.83691	-2.51076	-3.17082	-.01176	-.13686	.12112	4.17407	-.45475	.19378
.400	149.684	.02614	3.33630	-2.50234	-3.15305	-.00869	-.20368	.12807	3.84421	-.42062	.13098
.400	151.714	.02164	2.93124	-2.41022	-3.20340	-.01705	-.17638	.10427	3.51147	-.40982	.07592
.400	153.750	.01688	2.65175	-2.27031	-3.38883	-.00831	-.01892	.10637	3.20902	-.42821	.03999
.400	155.777	.00747	2.37454	-2.13660	-3.46739	-.00867	.08407	.06638	2.92273	-.44098	.01389
.400	157.819	.01428	2.07713	-1.97790	-3.45846	-.01421	-.05180	.08314	2.61572	-.44985	-.00872
.400	159.846	.01927	1.76059	-1.84552	-3.30213	-.01397	-.04969	.11738	2.33913	-.43474	-.03069
.400	161.255	.01934	1.51136	-1.75547	-3.14451	-.01290	-.12817	.10191	2.14805	-.40364	-.04371
	GRADIENT	.00018	-.22469	.02504	-.01103	-.00039	-.02090	-.00317	-.17819	.00501	-.02250

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OF POOR QUALITY

SA-2F-B (8TPT-662)SRB (RPS106) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 16/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.400	28.818	.00884	3.10141	.69279	5.18461	.01144	-.07523	-.23771	2.10197	1.13387	.32096
.400	29.983	.00923	3.28933	.69304	5.44222	-.00346	.00797	-.36678	2.24414	1.11525	.33296
.400	31.981	.02393	3.66996	.68607	5.80928	.00478	-.29073	-.51375	2.52568	1.08865	.36237
.400	33.987	.04322	4.12634	.65541	6.07538	.00254	-.77843	-.56792	2.85008	1.07191	.39759
.400	36.011	.08159	4.67295	.62720	6.14130	.00172	-1.65842	-.79352	3.25474	1.04808	.42769
.400	38.005	.11633	5.15293	.57178	6.31278	-.00662	-2.51842	-.91548	3.62337	1.02341	.43817
.400	40.007	.11831	5.62974	.51481	6.92055	.00006	-2.58815	-.88382	4.01359	.99194	.44302
.400	42.008	.13439	6.02275	.43409	7.52258	-.00275	-3.04747	-.86756	4.35320	.96129	.44215
.400	44.036	.19291	6.48589	.34681	7.98039	-.01039	-4.63454	-.88784	4.75785	.92931	.43656
.400	46.047	.28357	7.03526	.26085	8.42491	-.01612	-6.99821	-1.09326	5.24578	.89504	.44103
.400	48.067	.35325	7.54080	.17893	8.93261	-.02334	-8.72132	-1.43259	5.72936	.85631	.44938
.400	50.054	.42611	7.98888	.10206	9.25524	-.02778	-10.69276	-1.57147	6.19021	.81599	.46275
.400	52.078	.46776	8.29947	.01629	9.37712	-.03260	-12.06485	-1.39680	6.55701	.77595	.47324
.400	53.001	.29249	8.43588	-.02369	8.90747	-.02417	-7.14922	-1.46235	6.72142	.75794	.48415
	GRADIENT	.01792	.22906	-.03146	.18044	-.00153	-.46313	-.04975	.19622	-.01536	.00559

SA-2F-8 (8TPT-662)SRB (RPS107) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 11/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.401	125.826	.22821	8.95980	-1.95765	-4.89448	.02327	.83001	1.70370	8.41048	-.43482	.59291
.400	127.173	-.22344	9.06379	-2.07521	-3.82423	.02419	-1.69217	-1.84474	8.47606	-.45103	.59416
.400	129.196	-.19742	9.04637	-2.17889	-3.00359	.03163	-2.11416	-1.74911	8.38781	-.48028	.61271
.400	131.248	.04657	8.59978	-2.23359	-2.69743	.02106	.34808	.37915	7.93848	-.50270	.59168
.400	133.315	.04604	7.91229	-2.29092	-2.79045	.01853	.85671	.47945	7.32854	-.51320	.53880
.400	135.369	.02138	7.36483	-2.36068	-2.87931	.02079	.99422	.34602	6.85401	-.52272	.49255
.400	137.425	.01734	6.74197	-2.41137	-3.16569	.01626	.34801	.18517	6.33703	-.52601	.43508
.400	139.480	.00739	6.21119	-2.44354	-3.16128	.00937	.12328	.07375	5.89300	-.53183	.38837
.400	141.536	.00848	5.68903	-2.48126	-3.00731	.01431	-.30514	-.00803	5.48152	-.53108	.34879
.400	143.609	.01724	5.06141	-2.48838	-3.06330	.01797	-.44788	.01982	5.00600	-.51899	.30277
.400	145.683	.01149	4.41438	-2.49618	-3.07306	.01559	-.33430	.00578	4.55039	-.49197	.24395
.400	147.717	.01853	3.90530	-2.49470	-3.02349	.00943	-.39626	.03977	4.19491	-.46942	.18123
.400	149.766	.02320	3.42214	-2.46006	-2.99189	.01023	-.42459	.06533	3.84858	-.44639	.12010
.400	150.911	.01911	3.18356	-2.40636	-3.01411	.01043	-.34970	.05421	3.65059	-.44159	.08597
	GRADIENT	.00184	-.25479	-.01766	.03092	-.00065	-.00059	.01197	-.20863	.00008	-.02166

SA-2F-B (8TPT-662) SRB (RPS108) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 23/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.400	39.032	.10929	5.18223	.60618	6.88671	-.00905	-2.26523	-1.06015	3.73439	.97575	.00000
.400	39.936	.12226	5.40246	.56832	7.12390	-.01220	-2.63668	-1.02958	3.90380	.96766	.00000
.400	41.955	.15484	5.74810	.49438	7.54565	-.00946	-3.56262	-.96954	4.21050	.93675	.00000
.400	43.943	.20735	6.15762	.40788	7.99347	-.01862	-4.99587	-.96682	4.56675	.90808	.00000
.400	45.983	.26785	6.55468	.32370	8.45987	-.02281	-6.60253	-.99936	4.93861	.87513	.00000
.400	47.974	.30930	6.95645	.23623	9.02732	-.02642	-7.60287	-1.15425	5.32567	.84152	.00000
.400	49.984	.32956	7.32399	.14391	9.51673	-.02458	-7.91535	-1.46828	5.70168	.80663	.00000
.400	51.990	.33428	7.67625	.04317	9.83270	-.02606	-7.82555	-1.80587	6.07472	.77255	.00000
.400	53.977	.30234	8.26620	-.05390	9.45126	-.02145	-7.71520	-.75792	6.65383	.73718	.00000
.400	55.995	.20622	8.82183	-.11745	9.18170	-.01675	-5.54831	-.12885	7.24755	.69417	.00000
.400	57.968	.21732	8.18451	-.21306	6.87542	-.02740	-4.94968	-1.43110	6.82540	.66248	.00000
.400	59.926	.22029	7.56392	-.26805	5.58919	-.02392	-4.89532	-1.66938	6.41134	.62739	.00000
.400	61.934	.22815	6.95342	-.33200	4.93380	-.02191	-5.54220	-1.14152	5.97956	.59610	.00000
.400	63.420	.19736	6.45253	-.39470	4.74707	-.02193	-5.17084	-.49789	5.59398	.57922	.00000
	GRADIENT	.00293	.09000	-.04197	-.08169	-.00047	-.08443	.00168	.11121	-.01689	.00000

SA-2F-B (8TPT-662) SRB (RPS109) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 4/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.800	159.370	.04742	1.94467	-2.08387	-2.64994	.00018	-.21883	.05802	2.63541	-.41199	-.00164
.800	160.622	.04563	1.77042	-2.03425	-2.49489	.00062	-.16983	.06467	2.50643	-.39705	-.00352
	GRADIENT	-.00143	-.13918	.03963	.12384	.00035	.03914	.00531	-.10303	.01193	-.00150

SA-2F-B (8TPT-662) SRB WITH NO. 40 TRIP STRIPS (RPS110) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 60/ 0 RN/L = .57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.397	78.996	-.00425	8.52924	-.14004	10.63921	.15524	-.01822	.63840	8.34569	.21155	.00000
.396	79.865	-.00494	8.58290	-.09782	10.23559	.13008	-.02016	.74195	8.43177	.19054	.00000
.396	81.871	-.00522	8.24032	.09779	8.53246	.07952	.03659	.73300	8.17135	.13074	.00000
.396	83.848	-.00494	8.43373	.26756	6.65371	.11261	-.05988	.76895	8.41383	.07580	.00000
.396	85.852	-.00464	8.10217	.49295	3.87927	.14470	-.09526	.75004	8.11661	.01164	.00000
.397	87.851	-.00556	8.22416	.54379	2.93776	.11954	.01298	.79215	8.23877	-.02852	.00000
.398	89.840	-.00524	8.01752	.42079	2.60910	.14674	-.03705	.78037	8.01866	-.04969	.00000
.399	91.850	-.00509	8.04434	.40162	1.95824	.12308	-.05269	.77055	8.02718	-.08235	.00000
.399	93.859	-.00434	8.26072	.35482	1.08537	.12698	.01881	.60565	8.21812	-.11073	.00000
.399	95.859	-.00474	8.29595	.25129	.61586	.12854	.03596	.65074	8.22697	-.13331	.00000
.399	97.859	-.00520	8.41029	.11920	.35779	.13020	.00377	.74692	8.31544	-.15215	.00000
.399	99.859	-.00493	8.44472	.04394	-.17180	.10638	.03192	.68825	8.31250	-.17915	.00000
.399	101.858	-.00581	8.41650	-.14437	-.69492	.16011	.01261	.83855	8.26711	-.19176	.00000
.399	103.088	-.00627	8.34204	-.23379	-.92635	.10691	-.02072	.93879	8.17829	-.20314	.00000
	GRADIENT	-.00003	-.00145	-.00592	-.46863	.00117	.00161	.00356	-.00317	-.01691	.00000

RUN NO. 58/ 0 RN/L = .60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.590	79.048	-.00201	14.40130	.13793	12.48019	.09123	-.36054	.49375	14.16521	.18360	.00000
.593	79.899	-.00262	14.98638	.14759	12.14782	.07561	-.35884	.54987	14.77999	.16800	.00000
.593	81.896	-.00193	13.36075	.13979	12.23352	.07150	-.37580	.49527	13.24703	.13173	.00000
.594	83.916	-.00093	14.60523	.13318	13.72432	.07234	-.33306	.55501	14.53708	.09737	.00000
.593	85.904	-.00177	14.63823	.13030	13.06312	.04098	-.41893	.51395	14.61015	.05267	.00000
.594	87.904	-.00152	14.68972	.10696	12.62475	.04278	-.39838	.47276	14.68381	.02931	.00000
.593	89.903	-.00160	14.50282	.10451	12.42920	.06048	-.34703	.43817	14.50297	-.00552	.00000
.592	91.912	-.00201	14.46674	.11093	11.98908	.06112	-.25418	.40221	14.45498	-.04107	.00000
.596	93.920	-.00356	14.46998	.09923	10.86499	.06229	-.22839	.52608	14.42935	-.07541	.00000
.597	95.871	-.00144	11.50163	.26646	2.29857	.05449	-.36478	.43620	11.41403	-.12630	.00000
.596	97.865	-.00029	10.96178	.21963	.32610	.05870	-.44656	.39463	10.82866	-.15859	.00000
.596	99.862	-.00187	10.78091	.09478	-.18091	.11053	-.38489	.49659	10.60537	-.18291	.00000
.595	101.850	-.00203	10.73072	-.04969	-.81499	.04167	-.27632	.42491	10.51222	-.20500	.00000
.595	103.100	-.00246	10.84583	-.16621	-1.22714	.07633	-.05543	.28572	10.60126	-.21660	.00000
	GRADIENT	.00002	-.17987	-.00563	-.66602	-.00019	.00538	-.00614	-.18184	-.01724	.00000

SA-2F-8 (8TPT-662) SRB WITH NO. 40 TRIP STRIPS (RPS110) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 59/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.900	79.090	-.00147	16.63742	.49567	12.73335	.01475	-.09611	.18220	16.43052	.16203	.00000
.901	79.956	-.00118	16.41521	.50297	12.15922	.02857	-.14843	.20486	16.25137	.14568	.00000
.900	81.942	-.00124	16.46288	.48817	11.02664	.04418	-.16381	.22099	16.36876	.11146	.00000
.900	83.938	-.00116	16.74062	.50133	9.85036	.04747	-.09799	.16109	16.69995	.07602	.00000
.900	85.923	-.00232	16.90110	.47261	8.66713	.03686	-.01945	.17715	16.89194	.04323	.00000
.900	87.919	-.00308	16.99433	.43028	7.55482	.06429	.05321	.16971	16.99874	.01101	.00000
.898	89.924	-.00249	17.06942	.45944	6.45286	.04257	-.01526	.18503	17.07001	-.02559	.00000
.899	91.909	-.00214	16.96075	.47911	5.37924	.01968	-.03602	.17793	16.93537	-.06164	.00000
.897	93.913	-.00183	16.79167	.43113	4.09451	.03510	-.05331	.17095	16.72311	-.09424	.00000
.898	95.906	-.00205	16.53202	.36930	2.68612	.01209	-.08630	.21372	16.40629	-.12607	.00000
.898	97.877	-.00311	16.10564	.27963	1.05758	.03894	-.04970	.25848	15.91537	-.15608	.00000
.897	99.880	-.00255	15.94412	.19044	-.34713	.04194	-.05573	.22593	15.67499	-.18650	.00000
.897	101.873	-.00287	15.68497	.10047	-1.61522	.04358	-.02032	.22083	15.32871	-.21695	.00000
.897	103.120	-.00350	15.57380	.01652	-2.22666	.04416	.00808	.24287	15.16350	-.23420	.00000
	GRADIENT	-.00007	-.03800	-.01742	-.62488	.00024	.00384	.00211	-.04740	-.01660	.00000

SA-2F-B (8TPT-662) SRB WITH NO. 40 TRIP STRIPS (RPS111) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 55/ 0 RN/L = 2.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.399	79.122	.00609	10.25202	-.10585	10.77273	-.01943	-.57977	.22571	10.04783	.20290	.00000
.399	79.969	-.00432	10.11851	-.08746	10.52062	-.01158	-.05318	.22139	9.94860	.18581	.00000
.399	81.962	-.01436	10.18952	-.03232	9.57320	-.02286	.35574	.29563	10.08489	.14445	.00000
.399	83.950	-.01715	10.07717	.07996	8.07790	-.02927	.49622	.28914	10.02946	.09798	.00000
.400	85.938	-.02037	9.82208	.27332	5.64042	-.01967	.62704	.30855	9.81677	.04310	.00000
.399	87.923	-.01522	9.67602	.36968	3.96707	-.03776	.68530	.05272	9.68306	-.00194	.00000
.398	89.905	-.01932	9.60796	.38169	3.01425	-.02980	.64792	.25337	9.60858	-.03806	.00000
.399	91.910	-.01742	9.60579	.37700	2.30334	-.02599	.45629	.33165	9.55789	-.07269	.00000
.400	93.905	-.01267	9.61500	.32403	1.59331	-.03536	.18149	.36302	9.57061	-.10220	.00000
.399	95.909	-.01234	9.60057	.19308	.84701	-.02600	.13862	.38761	9.52968	-.12387	.00000
.398	97.883	-.01346	9.60116	.03686	.10861	-.01058	.21984	.37131	9.50536	-.14238	.00000
.399	99.885	-.01824	9.52916	-.14347	-.90772	-.01953	.51559	.32495	9.41231	-.15879	.00000
.399	101.868	-.01879	9.42660	-.29132	-1.79718	-.02579	.55478	.32078	9.28502	-.17809	.00000
.399	103.123	-.01499	9.36184	-.34701	-2.32104	-.02898	.27043	.40080	9.19613	-.19439	.00000
	GRADIENT	-.00043	-.03362	-.00830	-.55299	-.00015	.01407	.00635	-.03387	-.01672	.00000

RUN NO. 54/ 0 RN/L = 2.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.600	79.276	-.01401	15.67881	.15938	13.83640	-.06192	.01276	.39150	15.43464	.17888	.00000
.600	80.128	-.01470	16.23669	.17953	13.56486	-.03928	.06877	.36389	16.02706	.16265	.00000
.601	82.063	-.01203	13.20510	.25771	10.32800	-.03077	-.06582	.39500	13.11418	.11956	.00000
.600	84.107	-.00817	15.08009	.17228	12.60166	-.03232	-.18799	.38590	15.01810	.09168	.00000
.600	86.126	-.00809	15.61167	.20470	12.85905	-.04512	-.28864	.40917	15.58983	.05455	.00000
.600	88.127	-.00433	15.76610	.21490	12.68601	-.04815	-.36783	.42397	15.76469	.01907	.00000
.600	90.115	-.00781	15.80957	.22702	12.48711	-.04379	-.26039	.43386	15.80908	-.01637	.00000
.600	92.019	-.01392	13.56389	.39255	6.28373	-.03673	-.07986	.45794	13.54164	-.06426	.00000
.601	93.957	-.01800	12.25783	.44436	2.11191	-.03940	-.00335	.51036	12.19795	-.10568	.00000
600	95.939	-.02492	12.09532	.35990	.74315	-.03540	.22732	.52006	11.99317	-.13420	.00000
.600	97.926	-.02310	11.99340	.21275	-.26607	-.03352	.26039	.44423	11.84948	-.15736	.00000
.599	99.928	-.01974	11.95140	.01001	-.93564	-.02533	.13073	.45883	11.77069	-.17590	.00000
.599	101.926	-.01702	11.86495	-.10880	-1.95116	-.04261	-.00039	.49192	11.63130	-.20166	.00000
.600	103.149	-.01696	11.84120	-.18060	-2.52909	-.02060	.00464	.48718	11.57182	-.21758	.00000
	GRADIENT	-.00044	-.18404	-.00899	-.76971	.00068	.00919	.00513	-.18707	-.01704	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 40 TRIP STRIPS (RPS111) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 53/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.899	79.385	.00935	16.54379	.51668	13.14704	-.04742	-.33538	.07752	16.35586	.15527	.00000
.899	80.228	.01110	16.67998	.53682	12.62364	-.04543	-.37373	.07238	16.52908	.13928	.00000
.899	82.221	.01007	16.94218	.55458	11.35605	-.04996	-.35191	.07735	16.86132	.10342	.00000
.899	84.216	.00812	17.23849	.54727	10.22326	-.04386	-.26331	.04629	17.20588	.06932	.00000
.899	86.192	.00593	17.44673	.52765	9.17334	-.04564	-.20698	.04620	17.44325	.03625	.00000
.899	88.178	.00497	17.65619	.49574	8.17971	-.03952	-.17289	.03850	17.66302	.00372	.00000
.899	90.151	.00565	17.81303	.51542	6.98408	-.04026	-.17910	.02949	17.81161	-.03157	.00000
.899	92.142	.00535	17.84882	.49022	5.76163	-.04542	-.17171	.02946	17.81803	-.06493	.00000
.899	94.119	.00412	17.72643	.42390	4.46248	-.04347	-.16070	.04589	17.65018	-.09610	.00000
.899	96.091	.00533	17.46163	.34564	2.94883	-.04868	-.17506	.03213	17.32636	-.12678	.00000
.900	98.063	.00462	17.10005	.25894	1.43299	-.03932	-.16990	.04234	16.89471	-.15713	.00000
.900	100.025	.00376	16.66883	.16831	-.09434	-.04513	-.13219	.02908	16.58198	-.18708	.00000
.900	101.997	.00199	16.54132	.07761	-1.57251	-.03612	-.09976	.03962	16.16390	-.21741	.00000
.900	103.243	.00055	16.34075	.00828	-2.29543	-.03580	-.06999	.04564	15.90431	-.23587	.00000
	GRADIENT	-.00034	-.00641	-.02093	-.64493	.00034	.01060	-.00147	-.01758	-.01638	.00000

SA-2F-B (8IPT-662)SRB WITH NO. 40 TRIP STRIPS (RPS112) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 56/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.400	79.230	-.16343	9.93987	-.14715	10.43692	-.00919	3.38750	.93289	9.73728	.20560	.00000
.401	80.079	-.15938	9.85166	-.13468	9.76389	-.01476	3.28240	.90976	9.68115	.18902	.00000
.400	82.061	-.07633	9.60875	-.06796	8.11211	-.00894	1.44550	.57838	9.50727	.14667	.00000
.401	84.039	-.04055	9.49037	-.01610	6.72100	.00272	.54099	.46485	9.43738	.10613	.00000
.401	86.015	-.02604	9.38975	.03476	5.24021	-.00594	.19964	.41880	9.36946	.06594	.00000
.400	88.002	-.01903	9.23067	.06276	3.81477	-.00153	.08715	.35365	9.22724	.02808	.00000
.400	89.977	-.03264	9.08540	.07669	2.91062	-.00097	.43437	.37256	9.08543	-.00804	.00000
.401	91.961	-.06525	9.01127	.05218	1.85286	-.00926	1.10022	.50773	9.00421	-.04003	.00000
.401	93.944	-.04362	8.97190	-.01379	.76837	-.00427	.61747	.46857	8.95160	-.06740	.00000
.401	95.940	-.03233	9.03479	-.06720	-.24988	-.00225	.36648	.42504	8.99324	-.09653	.00000
.401	97.916	-.03075	9.13556	-.15204	-1.24611	-.00375	.37481	.38538	9.06944	-.12212	.00000
.401	99.895	-.03360	9.16791	-.22434	-2.04214	-.00741	.47745	.37387	9.07009	-.14933	.00000
.400	101.885	-.03370	9.18026	-.27551	-2.74475	-.00645	.53560	.33102	9.04022	-.17931	.00000
.400	103.138	-.03557	9.15395	-.32027	-3.18733	-.00660	.61404	.31422	8.98716	-.19681	.00000
	GRADIENT	.00379	-.03020	-.00798	-.56862	.00011	-.08183	-.01830	-.02962	-.01671	.00000

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SA-2F-B (STPT-662) SRB WITH NO. 40 TRIP STRIPS (RPS113) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 52/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CD	L/D	CAB
.601	79.385	-.02036	12.27284	.05658	12.33406	-.03680	.25388	.01990	12.07322	.16266	.00000
.600	80.470	-.03357	12.34925	.05186	11.99579	-.04001	.43997	.01435	12.38464	.16364	.00000
.601	82.430	-.05856	12.54897	.06291	11.02189	-.03916	.74123	.04272	12.44790	.12779	.00000
.600	84.402	-.05596	12.55651	.06564	10.12009	-.03674	.75855	-.00234	12.50303	.09273	.00000
.601	86.375	-.02988	12.41975	.03233	9.00283	-.03464	.49116	-.07308	12.39694	.06074	.00000
.600	88.401	-.02556	12.76104	-.00577	8.61596	-.03548	.53373	-.15602	12.75591	.02837	.00000
.601	90.363	-.00875	13.11661	.07041	8.39291	-.03500	.29738	-.14765	13.11590	-.01170	.00000
.600	92.256	-.00017	12.50886	.14619	5.53865	-.02840	.10707	-.08606	12.49337	-.05116	.00000
.600	94.084	-.00760	11.32928	.21859	1.46262	-.02609	.10043	.00169	11.28494	-.09082	.00000
.600	96.080	.00225	11.10079	.15667	-.11278	-.01909	-.04020	.00808	11.02222	-.12045	.00000
.601	98.022	.02207	11.13672	.08045	-1.05017	-.01784	-.34379	.03635	11.01931	-.14647	.00000
.600	99.993	.02697	11.22010	-.04406	-1.74054	-.01661	-.42761	.04857	11.05754	-.17215	.00000
.600	102.005	-.00409	11.23323	-.15695	-2.39926	-.01572	.11562	-.04875	11.02028	-.19805	.00000
.600	103.191	-.01874	11.22143	-.22586	-2.76639	-.01693	.38789	-.10583	10.97688	-.21326	.00000
	GRADIENT	.00222	-.07126	-.0063[illegible]	-.71303	.00113	-.02859	-.00119	-.07419	-.01708	.00000

SA-2F-8 (8TPY-662)SRB WITH NO. 40 TRIP STRIPS (RPS114) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 51/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.900	79.875	.04075	16.70713	.49217	13.14703	-.04604	-.41013	.02375	16.53345	.14834	.00000
.900	80.970	.03600	16.86548	.50751	12.50560	-.04634	-.38407	.02425	16.73611	.12821	.00000
.900	82.068	.03798	17.15955	.51939	11.36413	-.04518	-.38373	.02618	17.09183	.09415	.00000
.900	84.859	.03948	17.45228	.50498	10.29586	-.04479	-.40291	.03094	17.42733	.06037	.00000
.900	86.835	.04155	17.69536	.48084	9.15677	-.04534	-.41825	.02859	17.69492	.02807	.00000
.900	88.778	.03839	17.94937	.47283	8.14333	-.04244	-.37494	.01736	17.95537	-.00500	.00000
.900	90.719	.03374	18.06514	.46268	7.01882	-.04221	-.31609	.00413	18.05802	-.03602	.00000
.900	92.657	.03406	18.16953	.41355	5.77782	-.04104	-.32448	.00827	18.13083	-.06924	.00000
.900	94.600	.03143	17.91277	.34321	4.25535	-.03668	-.30779	.01417	17.82756	-.09976	.00000
.900	96.509	.02928	17.45114	.27970	2.61347	-.03602	-.29609	.02014	17.30694	-.13036	.00000
.900	98.423	.02219	17.16343	.19427	1.17160	-.03327	-.25294	.03788	16.94982	-.15967	.00000
.900	100.353	.02964	16.94945	.08402	.00174	-.03094	-.29582	.01489	16.65839	-.18782	.00000
.900	102.286	.02721	16.61337	-.01713	-1.45072	-.02937	-.27453	.01463	16.23655	-.21669	.00000
.900	103.438	.01698	16.40464	-.07983	-2.33549	-.02835	-.20545	.02091	15.97405	-.23380	.00000
	GRADIENT	-.00078	-.01360	-.02407	-.65814	.00080	.00754	-.00029	-.02571	-.016?1	.00000

SA-2F-B (STPT-662) SRB WITH NO. 2 TRIP STRIPS (RPS115) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.6340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FLDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 41/ 0 RN/L = .57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CD	L/D	CAB
.399	78.799	.00380	9.58874	-.02290	10.91036	-.05999	-.42919	-.17172	9.40131	.20069	.00000
.399	79.848	.00390	9.50395	.06912	10.47953	-.03798	-.56213	-.10330	9.36733	.17157	.00000
.400	81.845	.00463	9.51110	.28028	8.75383	-.07377	-.68556	-.10080	9.45467	.11336	.00000
.400	83.862	.00586	9.45910	.43716	7.22656	.02373	-.80287	-.17099	9.45162	.06103	.00000
.399	85.836	.00835	9.37492	.59686	5.27249	-.03792	-.79324	-.25758	9.39352	.00907	.00000
.399	87.827	.00525	9.44583	.59056	4.46307	-.04797	-.44312	-.38746	9.46144	-.02451	.00000
.400	89.825	.00479	9.27742	.60670	3.58458	-.06364	-.67684	-.12312	9.27922	-.06233	.00000
.400	91.824	.00548	9.35965	.52955	2.68422	-.02407	-.62595	-.26593	9.33805	-.08858	.00000
.400	93.833	.00477	9.46329	.42344	2.02589	-.06565	-.44395	-.31545	9.41381	-.11209	.00000
.399	95.833	.00418	9.47444	.37365	1.39668	-.06696	-.42870	-.24759	9.38742	-.14216	.00000
.399	97.862	.00480	9.46373	.18461	.81753	-.02108	-.62917	-.14546	9.36882	-.15834	.00000
.398	99.831	.00341	9.41167	.10646	.25925	-.06440	-.56843	-.03021	9.25528	-.18497	.00000
.398	101.831	.00531	9.30047	-.08355	-.38448	-.04562	-1.12091	.14235	9.12004	-.20011	.00000
.398	103.030	.00488	9.33187	-.17551	-.75847	-.08776	-.84701	.05853	9.13116	-.21169	.00000
	GRADIENT	-.00000	-.00627	-.00996	-.47315	-.00094	-.00958	.00751	-.00981	-.01657	.00000

RUN NO. 40/ 3 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CD	L/D	CAB
.997	78.832	.00827	12.44006	.22730	11.99039	-.03826	-.51087	-.18597	12.24852	.17851	.00000
.997	79.874	.00800	13.01261	.23146	11.97901	-.01965	-.46897	-.19110	12.85062	.16029	.00000
.998	81.922	.00739	13.09084	.29805	11.08485	-.05018	-.69140	-.16893	13.00264	.11877	.00000
.998	83.898	.00724	13.40809	.29253	10.55000	-.04695	-.68644	-.12363	13.36310	.08503	.00000
.998	85.879	.00663	13.24362	.34254	9.53211	-.04052	-.62599	-.11314	13.23419	.04611	.00000
.997	87.882	.00771	12.83128	.35654	7.71481	-.02236	-.64154	-.20014	12.83573	.00902	.00000
.998	89.898	.00828	12.81710	.37101	6.81686	-.04803	-.62233	-.27164	12.81797	-.02649	.00000
.998	91.897	.00876	12.84806	.42826	5.91724	-.04791	-.62189	-.31793	12.82685	-.06652	.00000
.998	93.853	.00915	12.83911	.42915	4.73145	-.03653	-.63641	-.34206	12.78125	-.10101	.00000
.997	95.880	.00989	12.66519	.34198	3.89941	-.04874	-.76768	-.31153	12.56353	-.13035	.00000
.998	97.893	.01013	12.28836	.32476	1.91886	-.04357	-.79348	-.31478	12.10895	-.16500	.00000
.998	99.849	.00931	12.01765	.16325	.90065	-.03608	-.81475	-.22398	11.81259	-.18764	.00000
.997	101.847	.00988	11.96823	.01993	.18084	-.03315	-.96705	-.16149	11.65047	-.21152	.00000
.997	103.033	.00913	11.71780	-.07720	-.45540	-.03756	-.97163	-.08993	11.43338	-.22458	.00000
	GRADIENT	.00016	-.04795	-.00782	-.54541	-.00008	-.01619	-.00187	-.05340	-.01705	.00000

SA-2F-8 (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (RPS115) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 39/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.898	78.881	.00119	16.80775	.56418	13.00847	-.07730	-.18246	.06575	16.60105	.16190	.00000
.898	79.919	.00117	17.02853	.58146	12.44976	-.04944	-.16467	.05237	16.86742	.14277	.00000
.897	81.936	.00013	17.42588	.57721	11.39802	-.07145	-.05019	.03200	17.33455	.10805	.00000
.899	83.913	.00121	17.70402	.55684	10.30716	-.05796	-.13229	.02420	17.66325	.07494	.00000
.898	85.920	.00017	18.02928	.53895	9.31853	-.05134	-.06744	.04364	18.02193	.04135	.00000
.898	87.916	-.00005	18.18074	.50753	8.31091	-.06187	-.07145	.06239	18.18717	.00846	.00000
.898	89.903	.00008	18.41708	.51866	7.34861	-.06182	-.08091	.06059	18.41793	-.02647	.00000
.898	91.907	.00096	18.30707	.51934	6.12993	-.05429	-.12562	.03600	18.27964	-.06173	.00000
.898	93.900	-.00145	17.83539	.48132	4.73824	-.06083	.02541	.08051	17.76137	-.09533	.00000
.897	95.893	-.00083	17.63639	.41654	3.36361	-.06576	.00255	.05578	17.50044	-.12714	.00000
.899	97.884	-.00083	17.17141	.32302	1.70077	-.04671	-.01157	.06784	16.96481	-.15769	.00000
.897	99.885	-.00067	16.81281	.23193	.17964	-.05463	-.04255	.08268	16.52337	-.18851	.00000
.899	101.869	.00005	16.52558	.11198	-1.05687	-.04013	-.05349	.04029	16.14923	-.21726	.00000
.899	103.056	.00043	16.35979	.04070	-1.68424	-.05194	-.04979	.01015	15.92769	-.23452	.00000
	GRADIENT	-.00006	-.02711	-.01963	-.61325	.00067	.00502	.00005	-.03750	-.01650	.00000

ORIGINAL PAGE IS
OF POOR QUALITY

SA-2F-8 (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (RPS116) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 44/ 0 RN/L = .92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.399	78.807	.00884	10.04424	-.03967	11.40698	-.04272	-.69233	-.24099	9.84551	.20198	.00000
.399	79.876	.00896	10.03358	.03531	10.97416	-.03132	-.69100	-.25017	9.88357	.17493	.00000
.400	81.871	.01055	9.90616	.18534	9.39748	-.01838	-.81570	-.28309	9.83283	.12380	.00000
.401	83.866	.01074	9.94329	.28304	7.80516	-.01017	-.82331	-.28910	9.91660	.07877	.00000
.401	85.848	.01042	9.66422	.45002	5.90361	-.04292	-.83568	-.24488	9.67144	.02593	.00000
.401	87.846	.00975	9.88704	.48046	5.01109	-.03424	-.74271	-.26306	9.89811	-.01097	.00000
.401	89.863	.01005	9.89948	.50978	3.90632	-.03482	-.77565	-.26036	9.90067	-.04910	.00000
.401	91.880	.00932	9.83440	.51083	2.91398	-.02738	-.73593	-.22640	9.81235	-.08491	.00000
.401	93.836	.01012	9.94664	.44328	2.06725	-.03502	-.85945	-.19778	9.89467	-.11198	.00000
.401	95.846	.01002	10.01403	.30753	1.33451	-.02245	-.89329	-.16354	9.93063	-.13352	.00000
.401	97.844	.00929	9.89011	.15518	.68685	-.02634	-.83744	-.14768	9.77640	-.15379	.00000
.401	99.842	.00893	9.85533	-.01484	-.06512	-.01141	-.48701	-.40751	9.71283	-.17193	.00000
.401	101.839	.00875	9.77565	-.16746	-.82630	-.01613	-.33768	-.51956	9.60204	-.19181	.00000
.401	103.038	.00812	9.74957	-.27627	-1.30331	-.03148	-.26385	-.52586	9.56056	-.20191	.00000
	GRADIENT	-.00004	-.00621	-.01002	-.52193	.00042	.01315	-.00685	-.00859	-.01659	.00000

RUN NO. 43/ 0 RN/L = .91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.601	78.864	.01574	12.54220	.18895	12.22436	-.03879	-.84420	-.30816	12.34254	.18125	.00000
.599	79.916	.01597	13.06081	.20474	12.26037	-.03232	-.89564	-.28170	12.91459	.16174	.00000
.600	81.931	.01811	13.03385	.21270	11.22754	-.04580	-1.04419	-.28619	12.93467	.12516	.00000
.600	83.915	.01629	12.87857	.28189	10.04776	-.04229	-1.04781	-.29166	12.83589	.08452	.00000
.599	85.898	.01845	12.74234	.32729	8.82700	-.03904	-1.05234	-.29647	12.73312	.04594	.00000
.599	87.912	.02036	12.63790	.31133	7.57993	-.04750	-1.14155	-.34085	12.64085	.01182	.00000
.600	89.887	.02106	12.63453	.35707	6.55473	-.03197	-1.16726	-.36210	12.63521	-.02629	.00000
.599	91.880	.02082	12.52715	.44369	5.28011	-.03933	-1.08305	-.41921	12.50585	-.06832	.00000
.599	93.893	.02060	12.45355	.40828	3.87696	-.03635	-1.08163	-.40903	12.39710	-.10106	.00000
.599	95.927	.02176	12.41775	.33650	2.76134	-.02764	-1.16682	-.41528	12.31661	-.13129	.00000
.599	97.870	.02046	11.99405	.27765	1.52791	-.03772	-1.14051	-.36054	11.84307	-.16189	.00000
.599	99.868	.01523	11.98607	.09741	1.02269	-.02243	.13966	-1.08715	11.79206	-.18233	.00000
.599	101.840	.01745	11.69653	-.03463	-.22846	-.02826	-.51793	-.69562	11.45476	-.20656	.00000
.599	103.058	.01553	11.72682	-.14800	-.69679	-.02517	-.03005	-.97829	11.45701	-.21868	.00000
	GRADIENT	.00002	-.04983	-.00855	-.56530	.00062	.02751	-.02457	-.05443	-.01697	.00000

SA-2F-B (8TPT-662) SRB WITH NO. 25 TRIP STRIPS (RPS116) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 42/ 0 RN/L = .90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.901	79.001	.00485	16.48359	.55858	12.80571	-.05325	-.31125	.02735	16.28738	.15542	.00000
.900	79.998	.00497	16.57964	.55259	12.29992	-.03600	-.28810	.00363	16.42365	.14219	.00000
.900	81.983	.00472	16.82883	.54878	11.25488	-.03128	-.27772	.00780	16.74088	.10775	.00000
.900	83.996	.00509	17.03480	.55393	10.16938	-.04360	-.33216	.03638	16.99930	.07240	.00000
.900	86.002	.00543	17.41257	.53150	9.16207	-.03631	-.33742	.02579	17.40725	.03929	.00000
.901	87.956	.00480	17.63860	.50103	8.11914	-.03962	-.26138	-.00718	17.64524	.00728	.00000
.900	89.948	.00377	17.64084	.54449	6.95732	-.04583	-.21157	-.00078	17.64133	-.02996	.00000
.900	91.950	.00384	17.59865	.52746	5.80877	-.04433	-.19030	-.02150	17.57052	-.06408	.00000
.901	93.941	.00406	17.54779	.46473	4.59200	-.02983	-.19085	-.03113	17.47435	-.09556	.00000
.901	95.959	.00240	17.21569	.39452	3.14096	-.03511	-.12125	-.01213	17.08169	-.12761	.00000
.900	97.915	.00230	16.74862	.31567	1.43273	-.04042	-.10049	-.02475	16.54561	-.15829	.00000
.900	99.914	.00167	16.49487	.21874	.04165	-.03679	-.07067	-.02032	16.21091	-.18847	.00000
.900	101.904	.00196	16.19109	.08597	-1.11605	-.03040	-.08079	-.02619	15.82515	-.21636	.00000
.900	103.089	.00304	16.07799	.02057	-1.75211	-.02556	-.11317	-.05160	15.65560	-.23386	.00000
	GRADIENT	-.00014	-.01 :2	-.01988	-.61289	.00047	.01100	-.00261	-.02848	-.01645	.00000

SA-2F-B (8TPT-662) SRB WITH NO. 25 TRIP STRIPS (RPS117) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 47/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.400	78.862	.01450	9.87086	-.07922	11.14645	-.03058	-.60334	-.24787	9.66962	.20524	.00000
.400	79.969	.01761	9.89743	-.05714	10.73186	-.03642	-.82597	-.22078	9.73620	.18284	.00000
.400	81.953	.01888	9.96519	-.00223	9.71561	-.02951	-.90681	-.21586	9.86677	.14160	.00000
.400	83.900	.01891	9.76522	.15025	7.83971	-.02529	-.89842	-.21985	9.72590	.09133	.00000
.400	85.898	.02237	9.68914	.33118	6.05926	-.02564	-1.04190	-.27288	9.68801	.03744	.00000
.400	87.901	.02238	9.69903	.40658	4.94679	-.01631	-1.03429	-.28050	9.70741	-.00527	.00000
.399	89.893	.01852	9.54241	.43433	3.74972	-.02387	-.83391	-.25047	9.54320	-.04365	.00000
.400	91.888	.01833	9.57801	.41487	2.86439	-.01254	-.83555	-.23856	9.55914	-.07639	.00000
.399	93.874	.01905	9.68991	.35793	2.12661	-.02515	-.88119	-.24188	9.64359	-.10492	.00000
.399	95.911	.01676	9.78913	.25124	1.51462	-.01865	-.88542	-.22602	9.71120	-.12955	.00000
.399	97.857	.01510	9.72991	.09581	.72553	-.03225	-.55327	-.31542	9.62549	-.14804	.00000
.399	99.891	.00645	9.62123	-.11765	-.13445	-.01055	.12920	-.53953	9.49843	-.16179	.00000
.399	101.845	.00597	9.53137	-.30236	-1.12073	-.01958	.56795	-.77461	9.39049	-.17682	.00000
.399	103.060	.00873	9.42511	-.40283	-1.73667	-.02271	.42800	-.80458	9.27234	-.18738	.00000
	GRADIENT	-.00040	-.01420	-.01005	-.52939	.00049	.04737	-.01864	-.01473	-.01655	.00000

RUN NO. 46/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.600	78.956	.03367	12.59732	.18373	12.23581	-.04023	-1.02015	-.37137	12.39921	.18008	.00000
.599	80.051	.03653	12.80091	.23239	11.57686	-.03597	-1.14114	-.37057	12.64856	.15675	.00000
.601	82.003	.04391	12.99463	.25565	10.51173	-.02905	-1.46778	-.35329	12.90384	.12047	.00000
.600	83.996	.04514	12.96816	.26733	9.68308	-.03370	-1.57787	-.30242	12.94487	.08441	.00000
.600	86.037	.04291	13.48751	.29773	9.41291	-.02834	-1.47913	-.29991	13.47585	.04712	.00000
.601	87.992	.03839	13.55070	.32210	8.73350	-.03234	-1.29633	-.28611	13.55367	.01128	.00000
.600	89.993	.03762	13.52081	.33492	7.74656	-.03368	-1.21952	-.32220	13.52085	-.02465	.00000
.600	91.957	.03968	12.87493	.32475	5.49379	-.02977	-1.18277	-.42779	12.85292	-.06723	.00000
.599	93.988	.03653	12.64536	.43222	3.73900	-.02172	-1.15170	-.41662	12.58467	-.10415	.00000
.600	95.935	.03768	12.52016	.36363	2.42630	-.02409	-1.11612	-.41765	12.41544	-.13341	.00000
.600	97.905	.03790	12.38905	.22803	1.41728	-.01930	-1.09913	-.44470	12.23995	-.15767	.00000
.600	99.945	.03509	12.26064	.05215	.41509	-.02395	-.97095	-.45716	12.06739	-.17973	.00000
.600	101.895	.03315	12.06147	-.10370	-.58763	-.01198	-.97641	-.39308	11.82386	-.20167	.00000
.599	103.102	.03135	12.05293	-.21529	-.93949	-.01500	-.73517	-.53409	11.78809	-.21398	.00000
	GRADIENT	-.00026	-.03918	-.01151	-.57401	.00090	.01789	-.00609	-.04393	-.01673	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (RPS117) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 45/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.900	79.095	.00839	17.30819	.54312	13.70379	-.04800	-.21502	-.04566	17.09842	.16030	.00000
.900	80.150	.00969	17.50328	.54866	13.10716	-.04634	-.27371	-.03116	17.33911	.14152	.00000
.900	82.179	.01032	17.90568	.56490	11.92811	-.04603	-.29545	-.02848	17.81599	.10536	.00000
.900	84.124	.01154	18.56870	.54089	11.04793	-.04468	-.32975	-.03112	18.52651	.07357	.00000
.900	86.126	.01023	18.88289	.49764	10.12676	-.03980	-.28202	-.03520	18.87336	.04130	.00000
.900	88.114	.01006	19.06490	.52003	9.06796	-.04297	-.24220	-.06316	19.07169	.00565	.00000
.900	90.096	.00841	19.05804	.49442	7.83390	-.03928	-.20003	-.05459	19.05716	-.02766	.00000
.900	92.081	.00878	18.99502	.44407	6.56211	-.04468	-.19359	-.06975	18.96637	-.05977	.00000
.900	94.064	.00903	18.86875	.36886	5.27404	-.03997	-.21031	-.06297	18.79518	-.09072	.00000
.900	96.052	.00958	18.63948	.29376	3.79542	-.04038	-.22538	-.06591	18.50461	-.12699	.00000
.900	98.028	.00960	18.18260	.20409	2.25505	-.03001	-.22562	-.06717	17.97590	-.[illegible]	.00000
.900	99.980	.00999	17.56928	.11975	.50230	-.02861	-.23539	-.07078	17.28270	-.18[illegible]	.00000
.900	101.968	.00929	17.18649	.01515	-.89135	-.02497	-.19914	-.08370	16.80977	-.21290	.00000
.901	103.156	.00892	16.97958	-.06166	-1.66078	-.01998	-.18318	-.08775	16.54795	-.22992	.00000
	GRADIENT	-.00002	-.01757	-.02456	-.63927	.00097	.00334	-.00220	-.02788	-.01624	.00000

SA-2F-8 (8TPT-662) SRB WITH NO. 25 TRIP STRIPS (RPS118; (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 36/ 0 RN/L = 2.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.398	79.087	.01664	9.74299	-.09218	10.64044	-.02148	-.51238	-.26652	9.54934	.20264	.00000
.398	79.948	.01479	9.75055	-.08087	10.44746	-.02503	-.44408	-.24441	9.58669	.18587	.00000
.399	81.937	.02502	9.73430	.02572	9.22445	-.02086	-.88416	-.29480	9.64167	.13898	.00000
.399	83.926	.02146	9.71521	.10852	7.87568	-.01617	-.74910	-.25688	9.67215	.09513	.00000
.399	85.921	.02000	9.62458	.24578	6.18445	-.02017	-.72229	-.21663	9.61769	.04569	.00000
.399	87.899	.01655	9.52744	.36041	4.71976	-.02293	-.71717	-.16151	9.53425	-.00114	.00000
.399	89.880	.01667	9.49711	.39010	3.61315	-.02055	-.60467	-.17832	9.49790	-.03897	.00000
.399	91.883	.01282	9.42025	.38269	2.61097	-.01820	-.48175	-.12406	9.60249	-.07275	.00000
.399	93.887	.00642	9.64928	.29679	1.79059	-.02352	-.35231	.02889	9.60697	-.09890	.00000
.398	95.862	.00903	9.66014	.16419	1.08616	-.02628	-.43352	-.01124	9.59286	-.11987	.00000
.399	97.875	.00814	9.61628	-.03043	.25356	-.01179	-.26601	-.11410	9.52976	-.13509	.00000
.399	99.858	.00681	9.59832	-.22509	-.70903	-.00703	-.08784	-.28901	9.49515	-.14970	.00000
.399	101.859	.00776	9.41944	-.40357	-1.71228	-.00665	.12919	-.42634	9.30134	-.16564	.00000
.399	103.073	.00641	9.35816	-.49203	-2.34023	-.00671	.04991	-.38241	9.22691	-.17747	.00000
	GRADIENT	-.00060	-.01112	-.01438	-.54505	.00059	.03059	-.00086	-.01071	-.01607	.00000

RUN NO. 37/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.599	79.136	.04580	12.60440	.19051	12.03207	-.02587	-1.15734	-.36700	12.41439	.17630	.00000
.601	80.039	.04946	12.58588	.22892	11.34883	-.03801	-1.25354	-.38058	12.43644	.15858	.00000
.600	82.040	.05553	12.78706	.23747	10.44348	-.02816	-1.44395	-.39186	12.69674	.12095	.00000
.600	84.034	.05817	13.03785	.26261	9.76925	-.03556	-1.56540	-.36390	12.99453	.08418	.00000
.600	86.048	.05920	13.18238	.27606	9.07766	-.03040	-1.63138	-.33204	13.17006	.04808	.00000
.601	88.018	.05820	13.23112	.31614	8.14933	-.03334	-1.62523	-.30020	13.23414	.01070	.00000
.601	89.983	.05550	12.84514	.35391	6.37171	-.02993	-1.51340	-.31718	12.84524	-.02726	.00000
.600	91.972	.05365	12.62416	.44802	4.81822	-.02394	-1.39970	-.36523	12.60126	-.07001	.00000
.600	93.968	.05128	12.60295	.41518	3.57507	-.02435	-1.32656	-.36104	12.54402	-.10254	.00000
.600	95.947	.05126	12.56886	.30579	2.61987	-.02421	-1.30884	-.37750	12.46954	-.12882	.00000
.601	97.933	.05077	12.44032	.13720	1.54326	-.01112	-1.27579	-.39475	12.30233	-.15061	.00000
.600	99.924	.04653	12.12045	-.02496	.21454	-.01345	-1.14965	-.38692	11.94338	-.17285	.00000
.599	101.898	.04258	11.98554	-.18829	-1.05639	-.01764	-1.01441	-.39621	11.76687	-.19434	.00000
.599	103.130	.04273	11.84985	-.26624	-1.65386	-.01783	-.97735	-.43717	11.60054	-.20969	.00000
	GRADIENT	-.00036	-.03634	-.01501	-.58185	.00080	.01419	-.00193	-.04053	-.01641	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (RPS118) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 36/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.899	79.347	.02136	16.82095	.52386	13.09162	-.04928	-.60814	.04690	16.62787	.15605	.00000
.899	80.210	.01913	16.92284	.53667	12.60603	-.05290	-.52586	.02779	16.76767	.14006	.00000
.900	82.206	.01595	17.21331	.54118	11.48344	-.04703	-.41696	.00751	17.12769	.10498	.00000
.901	84.184	.01449	17.60260	.53359	10.43613	-.04977	-.32368	-.03688	17.56607	.07132	.00000
.899	86.176	.01449	18.07722	.49934	9.60507	-.04829	-.34127	-.02229	18.07028	.03914	.00000
.899	88.161	.01294	18.25954	.50077	8.53140	-.04925	-.31225	-.01318	18.26620	.00467	.00000
.899	90.145	.01192	18.39133	.50002	7.40577	-.04563	-.26111	-.03387	18.39001	-.02972	.00000
.899	92.134	.01082	18.28440	.45582	6.22013	-.04145	-.23123	-.03566	18.25474	-.06226	.00000
.899	94.112	.01015	18.13955	.39950	4.90837	-.04298	-.22415	-.02800	18.06423	-.09406	.00000
.900	96.087	.00794	17.85242	.31513	3.56544	-.04502	-.15956	-.03531	17.71836	-.12452	.00000
.900	98.049	.00301	17.22896	.24374	1.73004	-.03834	-.05689	-.01657	17.02510	-.15587	.00000
.900	100.013	.00109	16.85557	.14410	.37168	-.03837	-.00672	-.01764	16.57380	-.18538	.00000
.900	102.007	.00173	16.49219	.02839	-.96213	-.03009	-.01226	-.02669	16.12549	-.21448	.00000
.900	103.193	.00371	16.35191	-.04922	-1.69252	-.02700	-.04789	-.04005	15.93154	-.23125	.00000
	GRADIENT	-.00077	-.02106	-.02272	-.62152	.00084	.02241	-.00215	-.03154	-.01630	.00000

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F-8 (8TPT-662) SRB WITH NO. 25 TRIP STRIPS (RPS119) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 48/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.400	78.896	.02692	9.80101	-.05037	10.56005	-.02354	-.63137	-.36676	9.60781	.20161	.00000
.400	79.963	.01064	9.75273	-.06285	10.21964	-.02178	-.22512	-.22817	9.59251	.18365	.00000
.400	81.945	.02005	9.68456	-.02085	9.29747	-.02907	-.64007	-.24998	9.58608	.14372	.00000
.398	83.922	.06178	9.49966	.16961	6.96267	-.01113	-2.26867	-.53440	9.46422	.08846	.00000
.399	85.935	.06090	9.61945	.25495	5.94447	-.02379	-2.27908	-.47583	9.61332	.04448	.00000
.399	87.915	.03331	9.49930	.28983	4.81575	-.02399	-1.26132	-.24648	9.50356	.00590	.00000
.399	89.904	.02466	9.49575	.34714	3.52779	-.02253	-.94769	-.17010	9.49632	-.03488	.00000
.399	91.896	.01624	9.52583	.33988	2.52530	-.01965	-.61317	-.12143	9.50938	-.06886	.00000
.399	93.910	.01066	9.49824	.25893	1.62844	-.02667	-.37478	-.10320	9.45847	-.09579	.00000
.399	95.870	.01454	9.36770	.05886	.73390	-.01540	-.49028	-.16024	9.31256	-.10916	.00000
.399	97.923	.01360	9.30969	-.12617	-.08155	-.01380	-.25158	-.32205	9.23821	-.12538	.00000
.399	99.875	.00664	9.37152	-.27503	-1.07278	-.01475	.34396	-.54202	9.27983	-.14400	.00000
.399	101.848	.00451	9.24096	-.42992	-1.85778	-.00710	.70091	-.75310	9.13235	-.16169	.00000
	GRADIENT	-.00125	-.02058	-.01162	-.55338	.00051	.06633	-.00625	-.01845	-.01633	.00000

SA-2F-8 (STPT-662) SRB WITH NO. 25 TRIP STRIPS (RPS120) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 35/ 0 RN/L = 3.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.400	79.190	-.13994	9.88866	-.17209	10.54903	-.03431	3.32843	.45990	9.68091	.20904	.00000
.400	80.061	-.14421	9.80078	-.17861	9.94343	-.03195	3.[illegible]204	.47734	9.62285	.19408	.00000
.400	82.032	-.04987	9.61231	-.10784	8.19762	-.02946	1.24278	.10699	9.50456	.15143	.00000
.400	84.002	-.00145	9.51254	-.10114	6.94833	-.02495	.11454	-.06149	9.44989	.11583	.00000
.400	86.006	.01731	9.40724	-.09421	5.92998	-.03243	-.29478	-.14664	9.37782	.07990	.00000
.399	87.986	.02551	9.33977	-.00964	4.66338	-.02428	-.48182	-.17719	9.33366	.03620	.00000
.400	89.954	.00634	9.21559	.04116	3.29537	-.01998	-.05013	-.10075	9.21562	-.00367	.00000
.400	91.933	-.00160	9.13064	.01500	1.96869	-.02295	.02603	.01450	9.12494	-.03540	.00000
.400	93.914	.03584	9.10973	-.09777	.68440	-.01660	-.99226	.01076	9.09516	-.05764	.00000
.399	95.895	.05645	9.17003	-.15048	-.63128	-.01749	-1.51014	-.03346	9.13700	-.08669	.00000
.400	97.903	.05667	9.22252	-.23279	-1.46460	-.01685	-1.50241	-.04978	9.16694	-.11317	.00000
.400	99.884	.04009	9.14791	-.34941	-2.03722	-.01884	-.81083	-.24747	9.07210	-.13515	.00000
.400	101.875	.01416	9.21154	-.44457	-2.75793	-.01409	-.76604	.30442	9.10590	-.16038	.00000
.400	103.078	.00913	9.11387	-.51101	-3.16594	-.01757	-.42147	.13577	8.99312	-.17396	.00000
	GRADIENT	.00579	-.02798	-.01257	-.58699	.00075	-.14949	-.00886	-.02553	-.01618	.00000

RUN NO. 50/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.600	79.202	.05855	12.39952	.11594	12.01082	-.03714	-.64479	-.40145	12.20170	.18104	.00000
.601	80.264	.05822	12.55831	.14299	11.49526	-.03602	-.63215	-.40330	12.40162	.15988	.00000
.600	82.268	.04218	12.74304	.12900	10.66849	-.03655	-.38620	-.34892	12.64455	.12547	.00000
.600	84.271	.03892	12.62496	.15420	9.47294	-.03458	-.31953	-.34876	12.57730	.08800	.00000
.601	86.231	.04338	12.81333	.14615	8.83983	-.03284	-.34536	-.39515	12.79523	.05442	.00000
.600	88.196	.04740	12.84001	.11780	8.14240	-.03521	-.38659	-.42420	12.83736	.02231	.00000
.600	90.159	.06157	12.67100	.06157	6.99567	-.03281	-.65295	-.42635	12.67072	-.00921	.00000
.601	92.173	.06286	12.22754	.16558	4.76496	-.03069	-.69755	-.41005	12.21247	-.05151	.00000
.600	94.067	.05948	11.94997	.13496	2.85766	-.02603	-.70081	-.35662	11.91032	-.08245	.00000
.600	96.080	.06032	11.92259	.04721	1.64465	-.02530	-.77914	-.30954	11.85099	-.11016	.00000
.600	98.021	.06393	11.82527	-.04360	.38473	-.01748	-.65502	-.30735	11.71567	-.13715	.00000
.600	100.013	.05342	11.67131	-.16441	-.75899	-.02200	-.54127	-.40587	11.52212	-.16208	.00000
.601	101.999	.04894	11.61742	-.26956	-1.84587	-.01721	-.54984	-.33001	11.42112	-.18769	.00000
.600	103.148	.03815	11.57920	-.36497	-2.34465	-.02143	-.18572	-.46134	11.35869	-.20059	.00000
	GRADIENT	.00006	-.09046	-.01729	-.63399	.00084	-.00209	.30058	-.05280	-.01616	.00000

SA-2F-B (8TPT-662) SRB WITH NO. 25 TRIP STRIPS (RPS120) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 49/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CD	L/D	CAB
.899	79.510	.01672	17.38968	.49169	13.54704	-.05305	-.18680	06669	17.18854	.15606	.00000
.899	80.588	.01849	17.60781	.51095	12.95906	-.05179	-.18669	06331	17.45433	.13609	.00000
.899	82.548	.02479	18.09011	.52338	11.93983	-.05294	-.30901	-.0 7524	18.00521	.10146	.00000
.900	84.542	.02706	18.75581	.49719	11.20174	-.05239	-.32924	-.0 363	18.71807	.06887	.00000
.900	86.574	.02716	19.09432	.45024	10.33169	-.05107	-.32202	-.04987	19.08710	.03624	.00000
.900	88.502	.02515	19.11567	.43330	9.26853	-.04938	-.27140	-.06796	19.12047	.00347	.00000
.900	90.468	.02420	19.07078	.42245	8.11949	-.04881	-.26548	-.06180	19.06670	-.03052	.00000
.900	92.462	.02551	18.91940	.38646	6.70060	-.04802	-.27830	-.06677	18.88533	-.06348	.00000
.900	94.382	.02667	18.62986	.31675	5.39183	-.04738	-.29476	-.06713	18.75062	-.09357	.00000
.900	96.344	.02565	18.59183	.22982	3.94072	-.04264	-.27209	-.07713	18.45261	-.12370	.00000
.900	98.271	.02062	18.01275	.14610	2.25103	-.04138	-.21656	-.06299	17.80440	-.15365	.00000
.899	100.203	.01486	17.35769	.07376	.46302	-.03632	-.12526	-.07191	17.07016	-.18437	.00000
.899	102.191	.00980	17.02995	-.03937	-1.03415	-.03237	-.03684	-.08585	16.65422	-.21363	.00000
.900	103.335	.00824	16.84365	-.10095	-1.78470	-.03315	-.02520	-.07721	16.41463	-.23022	.00000
	GRADIENT	-.00042	-.03298	-.02507	-.64770	.00086	.00729	-.00115	-.04373	-.01622	.00000

SA-2F-8 (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (RPS121) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 34/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.600	79.570	.09052	12.67983	.10326	11.61159	-.04608	-.82465	-.33876	12.48902	.17567	.00000
.600	80.445	.09014	12.67472	.11653	11.13870	-.04458	-.79949	-.35329	12.51822	.15889	.00000
.600	82.442	.07572	13.04062	.08432	10.45742	-.04464	-.65766	-.30391	12.93643	.12610	.00000
.600	84.435	.06547	13.29866	.03777	10.00168	-.04585	-.71439	-.36199	13.23964	.09457	.00000
.599	86.394	.11700	13.18461	-.00584	9.12675	-.04442	-1.06189	-.42619	13.15814	.06347	.00000
.600	88.449	.09997	14.07440	-.03168	9.86097	-.04603	-.92439	-.34622	14.06838	.02932	.00000
.600	90.324	.11433	13.16847	.02870	7.17234	-.04136	-1.05555	-.39748	13.16210	-.00784	.00000
.600	92.245	.13008	12.60757	.14315	4.71643	-.03372	-1.22792	-.43056	12.59228	-.05058	.00000
.600	94.180	.14133	12.21374	.13003	2.59373	-.03290	-1.39209	-.42360	12.17178	-.08379	.00000
.599	96.126	.14992	12.11687	.05735	1.27931	-.03155	-1.58130	-.37096	12.04155	-.11212	.00000
.600	98.083	.16520	12.08487	-.04525	.20308	-.02970	-1.92523	-.26222	11.97117	-.13820	.00000
.600	100.046	.17539	11.63864	-.14063	-1.11801	-.02951	-2.08998	-.25160	11.68169	-.16492	.00000
.600	102.016	.14141	11.79470	-.30727	-1.74271	-.03040	-1.07803	-.71400	11.60024	-.18577	.00000
.600	103.217	.12220	11.63142	-.36989	-2.54971	-.02571	-.68749	-.82478	11.40788	-.20156	.00000
	GRADIENT	.00319	-.06275	-.01434	-.64949	.00090	-.03170	-.01031	-.06520	-.01640	.00000

ORIGINAL PAGE IS
OF POOR QUALITY

SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (RPS122) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTSNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 33/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CD	L/D	CAB
.900	80.098	.03300	17.39452	.51096	12.93782	-.05548	-.21295	-.07835	17.22328	.14444	.00000
.900	80.953	.03026	17.38491	.51625	12.46307	-.05590	-.17513	-.08780	17.44733	.12926	.00000
.900	82.909	.02174	18.01828	.51233	11.42617	-.05731	-.09864	-.08482	17.94371	.09562	.00000
.900	84.893	.02583	18.33046	.48495	10.39459	-.05535	-.11289	-.10349	18.30085	.06277	.00000
.900	86.857	.02757	18.60345	.46226	9.41644	-.05067	-.13866	-.09502	18.60081	.03001	.00000
.900	88.808	.03000	18.77126	.43844	8.41208	-.05092	-.16916	-.08807	18.77632	-.00254	.00000
.900	90.766	.03693	18.79624	.42145	7.26430	-.04946	-.25376	-.07116	18.78893	-.03580	.00000
.900	92.695	.03904	18.68916	.37717	5.99456	-.04963	-.24739	-.04717	18.65077	-.06731	.00000
.900	94.627	.03747	18.58005	.31283	4.61035	-.04286	-.29733	-.04043	18.47433	-.09792	.00000
.900	96.569	.03810	18.23753	.23156	3.14556	-.04374	-.31498	-.03159	18.09129	-.12805	.00000
.900	98.467	.03636	17.69900	.15381	1.51097	-.04275	-.30348	-.02903	17.48345	-.15776	.00000
.900	100.382	.02673	17.29961	.06142	-.04390	-.04093	-.22670	-.01961	17.00529	-.18689	.00000
.900	102.286	.01837	16.91397	-.03972	-1.61835	-.03628	-.12915	-.03634	16.53494	-.21535	.00000
.900	103.472	.01574	16.77180	-.11123	-2.30562	-.03692	-.09596	-.04383	16.33624	-.23255	.00000
	GRADIENT	-.00018	-.03378	-.02577	-.65497	.00068	-.00220	.00308	-.04589	-.01617	.00000

SA-2F-8 (8TPT-662)SRB (RPS123) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 21/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CD	L/D	CAB
.600	39.009	.59971	6.24570	.52997	8.23267	-.01074	-6.80846	-1.96453	4.34309	1.04065	.00000
.600	40.148	.68505	6.61037	.48867	8.76329	-.01644	-7.97943	-1.93201	4.63564	1.02204	.00000
.600	42.187	.81138	7.28449	.42322	9.82437	-.02637	-9.61767	-1.94598	5.20551	.98228	.00000
.600	44.207	.69775	7.59499	.33484	10.35422	-.02668	-8.47691	-1.33567	5.53564	.94132	.00000
.600	46.216	.38713	7.66510	.26039	10.60622	-.02151	-4.73095	-.68279	5.71405	.89530	.00000
.599	48.242	.35274	8.03982	.18286	11.34994	-.02768	-4.28292	-.66107	6.11924	.85271	.00000
.600	50.271	.30402	8.36534	.10513	12.14533	-.02827	-3.71687	-.53165	6.50073	.81006	.00000
.600	52.297	.25621	8.58184	.02785	12.91555	-.02757	-3.20647	-.34280	6.80695	.76779	.00000
.600	54.314	.18630	8.86768	-.04572	13.34493	-.02907	-2.36181	-.21531	7.17587	.72605	.00000
.600	56.300	.16076	9.14289	-.11133	12.83554	-.02651	-2.11038	-.09504	7.54471	.68465	.00000
.600	58.335	.11368	9.53977	-.17302	12.88236	-.02666	-1.50882	-.05485	8.02876	.64209	.00000
.600	60.318	.07819	9.93021	-.22159	12.89406	-.02737	-1.00659	-.09117	8.51751	.59992	.00000
.600	62.296	.05438	10.24477	-.26757	12.10108	-.02637	-.64405	-.14671	8.93661	.56145	.00000
.600	63.421	.07256	10.51290	-.32366	11.85955	-.02710	-.88080	-.17321	9.25705	.53940	.00000
	GRADIENT	-.02947	.15960	-.03539	.16534	-.00038	.34194	.08201	.19115	-.02081	.00000

SA-2F-8 (8TPT-662)SRB (RPS124) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 25/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CD	L/D	CAB
.800	59.190	.05103	9.74155	-.20232	12.86715	-.02141	-.51640	.12845	8.26307	.62487	.00000
.801	60.273	.05133	9.90258	-.23151	12.89736	-.02022	-.71189	.01821	8.48454	.60245	.00000
.801	62.260	.09016	10.16326	-.28540	12.40871	-.02123	-1.06167	-.22165	8.86232	.56230	.00000
.800	64.275	.08801	11.26949	-.31453	11.89702	-.01882	-1.06294	-.17537	10.01291	.51724	.00000
.800	66.289	.10224	12.57334	-.28800	12.80230	-.01824	-1.43706	.08372	11.39618	.46679	.00000
.801	68.289	.07807	11.84834	-.28962	12.29637	-.01948	-1.20227	.21323	10.90073	.42676	.00000
.800	70.320	.04131	12.19680	-.31594	12.89567	-.02384	-.67474	.16490	11.37857	.38695	.00000
.800	72.266	-.01262	12.04503	-.26400	12.11974	-.02172	.11992	.06958	11.39228	.34412	.00000
.800	74.246	-.03375	12.66560	-.06168	11.61936	-.01992	.46795	-.01787	12.17306	.28736	.00000
.800	76.258	-.02802	13.48560	.04870	11.50080	-.02264	.35433	.03448	13.11115	.24072	.00000
.800	78.282	-.01707	14.05011	.10098	12.10642	-.02331	.22686	.00727	13.77779	.19994	.00000
.800	80.295	-.01411	14.66570	.09965	12.30162	-.02242	.16875	.03388	14.47203	.16408	.00000
.801	82.310	-.03655	15.18655	.08930	11.73964	-.02024	.45043	.07346	15.07182	.12905	.00000
.800	83.484	-.03550	15.45952	.05923	11.82006	-.02156	.43710	.07552	15.36668	.11016	.00000
	GRADIENT	-.00517	.22429	.01790	-.03777	-.00008	.06824	.00292	.28588	-.02173	.00000

DATE 18 APR 74

TABULATED SOURCE DATA LARC 8-655/662 (SA-2FA/B)

(RPS125) (05 DEC 73)

SA-2F-B (8TPT-662) SRB

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 28/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.599	79.197	.01219	15.09547	.13681	12.02366	-.02101	-.15145	-.02189	14.85359	.16144	.00000
.599	80.291	.01234	15.35769	.13233	12.39491	-.01767	-.13856	-.04212	15.16003	.16224	.00000
.599	82.313	.00589	15.84022	.10202	12.66232	-.02129	-.02682	-.07426	15.71154	.12841	.00000
.600	84.365	-.01170	16.12823	.04852	12.61834	-.02050	.19693	-.05382	16.05507	.09562	.00000
.599	86.359	-.00945	16.83463	-.03985	12.90642	-.01792	.16015	-.04518	16.79812	.06600	.00000
.599	88.319	-.00505	17.04619	-.09260	13.14704	-.01959	.09772	-.04113	17.03614	.03478	.00000
.599	90.389	-.00288	16.98748	-.09584	13.43019	-.02138	.02310	.02198	16.98774	-.00114	.00000
.599	92.328	.03020	16.93187	-.04192	12.74733	-.01872	-.51149	.14471	16.91961	-.03817	.00000
.600	94.312	.07224	16.13054	-.11139	11.76150	-.01503	-1.17176	.27212	16.09325	-.06846	.00000
.599	96.218	.07122	14.68771	-.20312	10.35052	-.01790	-1.17406	.28840	14.62329	-.09498	.00000
.600	98.205	.06770	14.26247	-.32708	9.34509	-.01764	-1.06162	.19432	14.16316	-.12086	.00000
.599	100.158	.06090	14.02130	-.41656	7.57962	-.01300	-1.08599	.34929	13.87499	-.14867	.00000
.599	102.074	.04778	13.45955	-.49600	5.33248	-.01050	-.97910	.44590	13.26555	-.17567	.00000
.599	103.226	.03529	12.87815	-.53609	3.62242	-.01063	-.83510	.48220	12.65920	-.19153	.00000
	GRADIENT	.00278	-.10486	-.02700	-.30838	.00037	-.05459	.02300	-.10509	-.01563	.00000

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SA-2F-8 (8TPT-662)SRB (RPS126) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 31/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.601	76.361	.04447	16.02147	.14911	7.91944	.03277	-.23458	.18063	15.60483	.23281	.00000
.600	77.602	.06478	17.06345	.17061	8.27648	.03592	-.60017	.13958	16.70213	.20938	.00000
.600	79.588	.05386	17.31202	.22860	7.93134	.03513	-.55340	.11949	17.06825	.17014	.00000
.600	81.568	.07523	17.42426	.25088	7.76930	.03868	-.69932	.15423	17.27272	.13355	.00000
.599	83.541	.08475	17.88990	.21852	7.60660	.03636	-.89112	.12287	17.80094	.10085	.00000
.600	85.531	.10144	18.09585	.15981	7.61878	.03800	-1.07664	.13885	18.05328	.06928	.00000
.600	87.497	.10675	18.37397	.11647	7.56790	.03848	-1.07542	.17262	18.36152	.03737	.00000
.600	89.511	.08511	18.39185	.11706	7.42555	.03935	-.89330	.11938	18.39218	.00216	.00000
.600	91.529	.07158	18.[illegible]0979	.10748	7.79664	.03706	-.71664	.11773	18.10047	-.03264	.00000
.600	93.578	.04848	17.48821	.03556	8.32957	.03392	-.46081	.09148	17.45190	-.06457	.00000
.600	95.604	.02390	16.77756	-.07566	7.96807	.03361	-.30300	.00958	16.70477	-.09357	.00000
.600	97.629	.06399	15.83915	-.18544	7.26126	.03332	-.62956	.11330	15.72355	-.12205	.00000
.600	99.646	.06837	14.89387	-.29462	5.57852	.03239	-.72905	.09714	14.73268	-.14967	.00000
.600	100.484	.06893	14.57036	-.35166	5.04749	.03120	-.72055	.10499	14.39109	-.16021	.00000
	GRADIENT	-.00032	-.07060	-.02109	-.07486	-.00014	-.00203	-.00316	-.06233	-.01629	.00000

SA-2F-B (8TPT-662) SKB (RPS127) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	YMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 7/ 0 RN/L = 5.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.600	135.519	.08285	7.92039	-2.33537	-3.30267	.00613	.55138	.39003	7.21648	-.55617	.42581
.600	136.454	.07588	7.57432	-2.36655	-3.38975	.00380	.33462	.32079	6.93357	-.55665	.40323
.600	138.548	.07138	6.93576	-2.41528	-3.45647	.00554	.50682	.33992	6.40167	-.56229	.35964
.600	140.721	.02927	6.28890	-2.47237	-3.32225	.00623	.14789	.12620	5.89531	-.56024	.32006
.600	142.834	.01842	5.75327	-2.51765	-3.11916	.00576	-.50428	-.04486	5.48197	-.55888	.29862
.601	144.932	.03493	5.05504	-2.54646	-3.11511	.00364	-.90244	-.07433	4.98857	-.53609	.24437
.601	147.088	.02569	4.34655	-2.55066	-3.20596	.00111	-.29815	.02088	4.50301	-.50256	.17349
.601	149.229	.02959	3.75308	-2.52581	-3.10405	-.00064	-.24586	.04415	4.09032	-.47246	.11495
.600	151.330	.03049	3.26545	-2.44535	-3.02367	-.00002	-.27401	.04130	3.71218	-.45578	.06928
.600	153.379	.01797	2.90300	-2.29741	-3.11659	-.00158	-.07218	.04294	3.35465	-.46676	.03545
.600	155.408	.01838	2.58438	-2.15130	-3.23870	-.00391	-.05450	.04806	3.03167	-.47983	.01080
.601	157.507	.02154	2.24575	-2.01327	-3.21621	-.00255	-.16872	.03482	2.71927	-.47979	-.01173
.601	159.602	.02493	1.90384	-1.89227	-3.08295	-.00532	-.19881	.04003	2.43718	-.46157	-.03070
.600	161.023	.02132	1.67871	-1.81944	-2.97626	-.00499	-.16182	.03637	2.26645	-.43937	-.04343
	GRADIENT	-.00202	-.24840	.02058	.01155	-.00047	-.01964	-.01081	-.19476	.00495	-.01961

SA-2F-8 (8TPT-662) SRB (RPS128) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 19/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.600	28.940	.03530	3.44388	.72058	5.67039	-.00426	-.03833	-.62005	2.29708	1.16023	.35725
.600	30.090	.07572	3.72959	.71215	5.92548	-.00467	-.35360	-.94632	2.48607	1.15440	.37304
.602	32.116	.18337	4.33978	.70818	6.23516	-.00615	-1.59854	-1.22699	2.90697	1.13493	.41250
.601	34.128	.34159	5.08058	.65303	6.46292	-.01309	-3.63852	-1.35694	3.39098	1.13220	.44199
.601	36.142	.45424	5.78796	.57089	7.06387	-.01334	-5.14351	-1.35273	3.87472	1.11941	.44598
.601	38.195	.56412	6.45278	.51679	7.93802	-.01765	-6.47180	-1.54660	4.39615	1.08089	.45356
.600	40.216	.66766	7.07156	.44871	8.77849	-.02302	-7.79829	-1.64046	4.90856	1.04108	.45748
.600	42.232	.70473	7.58410	.36579	9.46675	-.02692	-8.45134	-1.43979	5.36838	1.00023	.45352
.600	44.276	.52450	7.70848	.29914	10.18027	-.02060	-6.38200	-.96084	5.59561	.94901	.45398
.601	46.289	.38704	7.95763	.21979	10.81592	-.02043	-4.74322	-.68020	5.90393	.90449	.45657
.600	48.310	.32566	8.40757	.13199	11.38431	-.02157	-3.95318	-.66654	6.36614	.86290	.46499
.600	50.334	.31909	8.83627	.05264	12.02884	-.02226	-3.91856	-.62088	6.83557	.81921	.47252
.600	52.346	.27560	9.21420	-.03720	12.62341	-.03216	-3.25746	-.74971	7.27229	.77807	.48264
.600	53.311	.26420	9.45109	-.06925	12.71824	-.02648	-3.12050	-.74154	7.53735	.75654	.48650
	GRADIENT	.00652	.24254	-.03413	.31095	-.00094	-.10437	.01862	.21334	-.01746	.00403

SA-2F-B (8TPT-662)SRB (RPS129) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 13/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.600	124.933	-.00479	9.84517	-1.82520	-5.43097	.02305	.04597	-.00645	9.11644	-.45425	.50914
.600	126.010	.07610	9.65813	-1.89642	-5.17051	.02591	.13040	.27960	8.92757	-.46420	.49082
.600	128.136	.14452	9.09825	-2.01684	-4.86440	.02679	-.01030	.47357	8.40170	-.47991	.44847
.600	130.140	.07822	9.34008	-2.17483	-3.37603	.02137	.14474	.28606	8.54222	-.51024	.49216
.600	132.355	.02312	8.73273	-2.25271	-3.23954	.02019	.37822	.15359	7.97108	-.52925	.47056
.600	134.392	.10218	8.27673	-2.31710	-3.12421	.01941	1.16177	.57175	7.53527	-.54867	.44178
.600	136.563	.10126	7.56268	-2.37144	-3.30784	.01546	.66340	.46406	6.92174	-.55781	.39587
.600	138.671	.07410	6.84728	-2.41434	-3.44561	.01547	.35353	.31219	6.33485	-.55998	.34747
.600	140.830	.03177	6.21680	-2.46285	-3.33451	.01551	.16725	.13708	5.83732	-.55945	.31089
.600	142.911	.03511	5.71420	-2.50579	-3.07883	.01729	-.63210	-.01785	5.44483	-.55963	.28731
.599	145.053	.02232	4.99186	-2.53004	-3.13373	.01199	-.74553	-.08233	4.93326	-.53565	.23123
.600	147.185	.03636	4.30860	-2.53323	-3.15723	.01098	-.54857	.00425	4.46394	-.50364	.16372
.600	149.280	.03347	3.75837	-2.50668	-3.03992	.01273	-.44782	.01636	4.07486	-.47866	.10663
.600	150.468	.04173	3.47349	-2.46308	-3.00405	.00747	-.45577	.04209	3.85519	-.46902	.07992
	GRADIENT	-.00160	-.25973	-.02544	.07613	-.00062	-.03495	-.01255	-.21435	-.00099	-.01659

SA-2F-8 (8TPT-662) SRB (RPS130) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 20/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.800	39.330	.16156	6.67040	.61338	11.51931	-.02560	-1.22212	-.35676	4.70203	1.01464	.00000
.600	40.470	.11892	7.02124	.57971	12.30003	-.02486	-.92740	-.21933	4.99817	.99338	.00000
.600	42.573	.30166	7.99057	.49456	13.61569	-.02864	-2.32330	-.57710	5.77004	.96183	.00000
.800	44.634	.06474	8.53079	.43949	15.17786	-.02905	-.55695	-.03863	6.30625	.91367	.00000
.800	46.733	.02061	9.28275	.38141	16.68100	-.03178	-.43492	.34731	7.02083	.86666	.00000
.801	48.806	.04524	10.01577	.30859	17.81792	-.02967	-.79510	.54101	7.73990	.82228	.00000
.800	50.827	.04657	10.71941	.22717	18.75015	-.03316	-.51298	.13099	8.45366	.78013	.00000
.800	52.872	.04090	11.45271	.15260	19.52785	-.03207	-.44726	.10982	9.22323	.73631	.00000
.801	54.909	.00780	12.26552	.06182	20.10193	-.03246	-.18225	.15583	10.07166	.69508	.00000
.800	56.933	-.01883	13.03852	-.00761	20.45086	-.03224	.05169	.16598	10.92251	.65191	.00000
.800	58.965	.00835	13.66380	-.07197	20.98961	-.03572	-.15189	.10556	11.67082	.60888	.00000
.800	60.968	.01042	14.16595	-.11642	21.12518	-.03434	-.16113	.09133	12.32945	.56584	.00000
.800	62.966	.03203	14.44098	-.11817	20.82009	-.03317	-.27972	-.02282	12.80942	.52063	.00000
.800	64.092	.03703	14.54297	-.11526	20.69222	-.03171	-.30109	-.05948	13.03101	.49558	.00000
	GRADIENT	-.00658	.33333	-.03205	.38479	-.00031	.05089	.01227	.35117	-.02112	.00000

SA-2F-B (8TPT-662)SRB (RPS131) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 24/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.800	59.846	.05446	13.70262	-.08012	20.93641	-.03350	-.51729	.02773	11.80815	.58878	.00000
.801	60.949	.05377	14.04828	-.09398	20.68943	-.03304	-.50293	.01904	12.23522	.56426	.00000
.800	62.975	.04185	14.33652	-.10080	20.54801	-.03200	-.36504	-.02008	12.72527	.51897	.00000
.800	64.935	.03184	14.48362	-.09267	20.28249	-.03314	-.25238	-.04885	13.08044	.47550	.00000
.800	66.881	.03886	14.49712	-.07451	19.75999	-.03223	-.27570	-.10374	13.30362	.43302	.00000
.800	68.871	.03894	14.39420	-.06895	19.11629	-.03060	-.25144	-.13770	13.40163	.39197	.00000
.800	70.802	.03570	14.57598	-.03760	18.03573	-.03095	-.25527	-.09190	13.75293	.35111	.00000
.800	72.733	.01216	14.97132	.06332	16.69129	-.02550	-.09818	-.01580	14.31539	.30620	.00000
.800	74.686	.01361	15.14970	.18700	15.64470	-.02797	-.06901	-.07517	14.66114	.26061	.00000
.800	76.706	.02616	15.40670	.26193	14.72536	-.02546	-.17355	-.08841	15.05406	.21840	.00000
.800	78.597	.00968	15.63436	.32753	13.62637	-.02545	-.03338	-.07631	15.39049	.17999	.00000
.800	80.581	.01167	15.68927	.33106	12.43202	-.02320	-.01368	-.12986	15.53193	.14428	.00000
.800	82.527	-.01684	16.31894	.32178	11.77277	-.02170	.24115	-.11974	16.22219	.11116	.00000
.800	83.752	-.04362	17.03662	.30870	12.14311	-.02361	.48767	-.11608	16.96903	.09118	.00000
	GRADIENT	-.00301	.10933	.02194	-.42488	.00050	.03096	-.00485	.18947	-.02115	.00000

SA-2F-B (8TPT-662)SRB (RPS132) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 27/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CEL	CYN	CY	CD	L/D	CAB
.800	79.492	-.01991	15.51953	.35988	13.08932	-.02441	.23913	-.07960	15.32489	.16160	.00000
.800	80.542	-.02219	15.54693	.35802	12.44451	-.02276	.20871	-.00911	15.39444	.14301	.00000
.801	82.494	-.01547	15.80579	.35833	11.35733	-.02130	.11300	.03795	15.71717	.10876	.00000
.800	84.477	-.00472	16.39047	.36561	10.85724	-.02105	.07199	-.04082	16.34956	.07423	.00000
.800	86.560	.00502	17.55218	.33589	11.51449	-.01926	.04702	-.12858	17.54071	.04092	.00000
.800	88.392	.00543	16.76712	.35616	8.95174	-.01452	.00489	-.07498	16.77051	.00683	.00000
.800	90.279	.00515	16.34040	.39385	6.85284	-.01159	.00606	-.07304	16.33830	-.02897	.00000
.800	92.219	.01661	16.12516	.42695	5.20103	-.01002	-.12195	-.03852	16.09653	-.06530	.00000
.800	94.162	.00860	15.88035	.42522	3.60112	-.00835	-.13323	.07755	15.80762	-.09974	.00000
.800	96.084	.00492	15.93434	.37483	2.56442	-.00710	-.09623	.07202	15.80488	-.13043	.00000
.800	98.039	-.01987	15.97120	.28833	1.59907	-.00506	.11846	.08664	15.77391	-.15970	.00000
.801	100.022	-.03061	15.78404	.17591	.41039	-.00395	.15710	.17078	15.51257	-.18824	.00000
.800	101.912	.00819	15.57668	.03262	-.83302	-.00450	-.19544	.16733	15.23453	-.21314	.00000
.800	103.096	.04579	15.53458	-.07377	-1.37581	-.00493	-.49918	.10548	15.14726	-.22763	.00000
	GRADIENT	.00109	-.01583	-.01261	-.65023	.00093	-.01660	.00921	-.02534	-.01684	.00000

SA-2F-8 (8TPT-662)SRB (RPS133) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 30/ 0 RN/L = 6.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.801	76.447	.07744	15.38056	.44461	14.35781	.02450	-.32380	.18651	15.05647	.21068	.00000
.800	77.678	-.02913	15.49103	.49994	13.69748	.02424	.31550	.02232	15.24088	.18486	.00000
.800	79.629	-.12139	15.48076	.53393	12.61371	.02243	.80025	-.14771	15.32395	.14760	.00000
.800	81.575	-.18147	15.58846	.55657	11.63368	.02407	1.23633	-.19726	15.50178	.11182	.00000
.800	83.536	-.21007	15.69280	.53007	10.73642	.02546	1.55193	-.16771	15.65271	.07922	.00000
.799	85.462	-.19372	15.66351	.54512	9.31893	.02666	1.38295	-.17485	15.65753	.04445	.00000
.800	87.396	-.15994	15.75292	.56243	8.07535	.02794	1.11356	-.15526	15.76220	.00976	.00000
.800	89.344	-.09601	15.89566	.57671	6.97417	.03048	.80939	-.02611	15.90122	-.02483	.00000
.800	91.270	.00067	15.91961	.56645	5.64222	.03357	.09691	.04884	15.90315	-.05779	.00000
.800	93.214	-.03663	15.85977	.56338	4.54807	.03284	.28153	-.02313	15.80325	-.09186	.00000
.800	95.161	-.02652	15.76719	.52430	3.26090	.03451	.09490	-.06875	15.65611	-.12394	.00000
.800	97.119	-.00479	15.64357	.41669	1.96385	.03690	-.06859	-.05319	15.47131	-.15204	.00000
.800	99.086	-.00199	15.46191	.34026	.75128	.03731	-.00996	-.01331	15.21416	-.18258	.00000
.800	99.910	-.00803	15.35005	.30744	.20480	.03774	-.05980	-.06320	15.06810	-.19542	.00000
	GRADIENT	.00342	.00461	-.00525	-.60869	.00068	-.03147	-.00022	.00482	-.01727	.00000

ORIGINAL PAGE IS
OF POOR QUALITY

SA-2F-B (8TPT-662) SRB (RPS134) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 6/ 0 RN/L = 5.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.800	135.990	.01814	9.68690	-2.22544	-5.93351	.02110	.02997	.04687	8.51497	-.60209	.32038
.801	134.964	.03213	9.45408	-2.28956	-5.96881	.02121	.02101	.07598	8.30716	-.60922	.30211
.801	137.259	.02534	8.42707	-2.36608	-6.00376	.01824	.05723	.06775	7.45708	-.61461	.23856
.800	139.542	.02619	7.55495	-2.42407	-5.61412	.01604	.04122	.07029	6.74675	-.61889	.20764
.800	141.767	.04504	6.84694	-2.47399	-5.04830	.01474	.16343	.13190	6.18062	-.62246	.18760
.801	144.062	.01606	6.05371	-2.51593	-4.21019	.01369	-.78808	-.12869	5.59003	-.61265	.17105
.801	146.357	.02305	5.10557	-2.53828	-3.77270	.00829	-.61065	-.07694	4.94171	-.57554	.13020
.801	148.653	.02964	4.20191	-2.53079	-3.41411	.00530	.07501	.07929	4.34729	-.52263	.07955
.801	150.817	-.01167	3.60832	-2.45795	-2.97450	.00492	.04528	-.01571	3.90538	-.49977	.05553
.800	152.991	-.00727	3.14196	-2.35201	-2.88512	.00327	-.02126	-.02007	3.52236	-.49147	.03569
.801	155.118	.02190	2.66491	-2.26914	-2.85113	.00288	-.00097	.04710	3.18820	-.46450	.01434
.801	157.243	.03531	2.30486	-2.17652	-2.80244	.00013	-.13204	.04911	2.89867	-.44278	.00562
.801	159.367	.04422	1.95714	-2.08263	-2.63069	-.00162	-.18865	.05726	2.63869	-.41602	-.00104
.801	161.812	.04007	1.74567	-2.02745	-2.45367	-.00017	-.16187	.05413	2.48856	-.39474	-.00241
	GRADIENT	.00010	-.30699	.00846	.14808	-.00089	-.00459	-.00078	-.22947	.00864	-.01235

SA-2F-B (8TPT-662)SRB (RPS135) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 17/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.601	29.088	.03841	4.05172	.79249	6.74837	-.01196	-.22862	-.17106	2.66230	1.18522	.36048
.801	30.283	.06954	4.35655	.76496	7.41375	-.01244	-.41100	-.31006	2.85748	1.18157	.37138
.801	32.319	.24640	5.07163	.72109	8.22078	-.01513	-1.63610	-.83322	3.32084	1.17454	.39964
.800	34.364	.46800	5.98224	.66503	8.98129	-.01879	-3.49720	-1.01776	3.92566	1.16229	.42453
.800	36.409	.36243	6.41369	.61327	10.67165	-.01745	-2.92201	-.48217	4.30373	1.11409	.43891
.801	38.555	.14705	6.85857	.55954	12.54934	-.02080	-1.24160	-.11127	4.71224	1.06420	.44435
.801	40.624	.24886	7.93690	.48204	13.78406	-.02039	-2.12391	-.15769	5.53354	1.03193	.44691
.800	42.715	.09253	8.54040	.41643	15.59052	-.02337	-.87259	.05380	6.10088	.98200	.44713
.800	44.800	-.05058	9.26661	.34335	17.19036	-.02408	.38042	.10617	6.77319	.93507	.44729
.800	46.964	-.04249	10.08342	.27533	18.38064	-.02598	.24413	.19669	7.54650	.88695	.45022
.800	48.905	-.03017	11.02480	.20184	19.22606	-.02904	.14180	.18542	8.44120	.84047	.45106
.801	50.965	.03492	11.96597	.12086	19.84261	-.02649	-.35472	.04839	9.37079	.79420	.45335
.800	53.012	.06713	12.68854	.02113	20.47602	-.02810	-.51911	-.14090	10.14784	.75062	.45390
.800	53.911	-.01139	13.29231	-.01947	19.90163	-.02866	.09945	.00665	10.73013	.73116	.45363
	GRADIENT	-.00987	.36604	-.03252	.59209	-.00068	.06928	.02771	.32100	-.01958	.00311

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SA-2F-B (0TPT-662) SRB (RPS136) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 12/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CD	L/D	CAB
.800	122.503	.03564	13.51865	-1.63973	-5.80593	.03719	.06550	.08965	12.28224	-.47884	.65559
.800	123.934	.01998	13.15566	-1.73462	-5.68488	.04034	.11864	.06948	11.88335	-.49689	.65038
.800	126.116	.03926	12.63412	-1.88448	-5.58352	.03756	.08561	.10493	11.31687	-.52352	.64349
.800	128.293	.06368	11.92511	-1.99318	-5.64247	.03590	-.07425	.12486	10.59460	-.54985	.58850
.801	130.591	.00647	10.90701	-2.08114	-6.10775	.03390	.07785	.03025	9.63660	-.57244	.45656
.801	132.902	.02492	9.84411	-2.15712	-6.32527	.03128	.00654	.05545	8.67945	-.59004	.32889
.801	135.038	.03072	9.28223	-2.29561	-6.11952	.03022	.08679	.08437	3.18350	-.60455	.28908
.800	137.373	.03758	8.25443	-2.36651	-6.07011	.02841	.08590	.09881	7.33135	-.60981	.22789
.800	139.601	.04022	7.46903	-2.41916	-5.62715	.02572	.20784	.12967	6.68307	-.61650	.20058
.800	141.940	.04737	6.71432	-2.47389	-4.90616	.02261	.39932	.18484	6.08714	-.61794	.18502
.800	144.158	.01872	5.95277	-2.50671	-4.22264	.01878	-.61452	-.08703	5.51888	-.60805	.16126
.800	146.476	.02518	4.98037	-2.52299	-3.76192	.01452	-.51195	-.05160	4.84784	-.56712	.11774
.801	148.812	.02504	4.11736	-2.50502	-3.32374	.01331	-.27246	-.00201	4.27515	-.52046	.06931
.801	149.976	.00607	3.79211	-2.46570	-3.03752	.00994	-.18552	-.02523	4.03229	-.50827	.05620
	GRADIENT	-.00047	-.36454	-.03124	.09837	-.00106	-.01459	-.00415	-.30815	-.00175	-.02364

SA-2F-8 (8TPT-662)SRB (RPS137) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 3/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.899	133.835	.04094	10.94956	-2.27776	-6.73541	.02953	.01831	.09802	9.47590	-.62690	.37592
.900	134.671	.02940	10.62223	-2.31819	-6.60233	.02810	-.00353	.06655	9.18386	-.63363	.34503
.899	136.877	.01431	9.96111	-2.44665	-6.21775	.02472	.04069	.04088	8.59483	-.65133	.28539
.900	139.210	.05445	8.87705	-2.50648	-5.95712	.01996	-.02396	.11735	7.69698	-.66044	.23556
.900	141.506	.05228	7.95757	-2.57281	-5.41556	.01702	-.03731	.10888	6.96675	-.66412	.22136
.899	145.799	-.01737	7.08535	-2.62502	-4.73860	.01533	-.13641	-.06686	6.30297	-.66114	.21700
.900	148.143	.10175	5.87517	-2.65173	-4.68552	.01231	.10536	.26323	5.47524	-.62126	.17118
.899	148.501	.04831	4.74464	-2.65540	-4.15953	.00642	.12027	.13163	4.74314	-.56040	.14730
.899	150.775	.02221	3.99118	-2.58015	-3.23103	.00813	-.11263	.02568	4.20040	-.52933	.14721
.900	152.945	.04698	3.43631	-2.49494	-2.87558	.00243	.03446	.11090	3.78489	-.50873	.14053
.900	155.108	.06448	2.92526	-2.43448	-2.62024	.00278	-.09586	.12287	3.43959	-.47355	.12675
.900	157.255	.04963	2.48837	-2.37680	-2.29655	.00118	-.13694	.08191	3.15406	-.43623	.11418
.900	159.389	.04244	2.14440	-2.30736	-1.90723	-.00156	-.16830	.05995	2.91453	-.40999	.11854
.900	160.680	.02954	1.97070	-2.26361	-1.74042	.00094	-.11542	.04229	2.78851	-.39801	.12164
	GRADIENT	.00145	-.35445	.00191	.19408	-.00114	-.00526	-.00015	-.25936	.00995	-.00877

SA-2F-B (8TPT-662)SRB (RPS138) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 16/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.900	29.148	-.05516	4.57357	.89219	7.91674	-.01490	.41699	.13978	3.00686	1.18390	.38619
.899	30.536	-.04595	4.89913	.86325	8.65250	-.01694	.36725	.08697	3.21944	1.17795	.39320
.900	32.420	.02855	5.52927	.81634	10.09208	-.01618	-.17469	-.12609	3.65344	1.15777	.40533
.899	34.467	-.04987	6.26320	.78919	11.84128	-.01960	.40183	.08398	4.19687	1.12360	.43212
.897	36.786	.14735	7.34822	.73893	13.48015	-.02247	-1.27309	-.12022	4.97304	1.09791	.45161
.900	38.681	.03799	8.09172	.70814	15.38617	-.02378	-.36826	.02513	5.61001	1.04707	.46862
.900	40.770	-.04168	9.07492	.64194	17.07847	-.02720	.38717	-.00449	6.41254	1.00542	.46514
.900	42.833	-.06158	10.15011	.56678	18.40066	-.02638	.48820	.11129	7.31627	.96473	.45887
.900	44.888	-.06725	11.28051	.51278	19.35512	-.02987	.49769	.17315	8.32426	.91662	.46965
.900	46.964	-.06648	12.28356	.46380	20.33724	-.03170	.41365	.28395	9.29485	.86543	.47836
.900	48.971	-.10450	13.42490	.40690	20.23939	-.03208	.96690	.01150	10.39460	.81827	.48480
.900	51.002	-.01258	14.16906	.31837	21.17782	-.03149	.16665	-.06750	11.21211	.77319	.47118
.900	53.039	.00710	14.97120	.23495	21.80154	-.03140	-.02879	-.05358	12.10394	.72819	.45721
.899	54.008	.00924	15.27002	.19699	22.15204	-.03367	-.04774	-.05598	12.47075	.70680	.45382
	GRADIENT	-.00090	.45233	-.02747	.58740	-.00074	.00925	-.00143	.39703	-.02008	.00295

SA-2F-B (8TPT-662)SRB (RPS139) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 10/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.900	128.093	.03914	12.00145	-1.98831	-8.79873	.03705	.01663	.10073	11.22512	-.55650	.48109
.900	130.209	.03293	12.03387	-2.10620	-8.18161	.03771	.01371	.07655	10.55004	-.58391	.44322
.900	132.485	.04208	11.35689	-2.23982	-7.23661	.03576	-.00575	.09241	9.88818	-.60863	.40684
.900	134.709	.02557	10.40510	-2.32413	-6.74209	.03401	-.00396	.05584	9.02436	-.62911	.31778
.900	136.974	.03333	9.77093	-2.44496	-6.34757	.03101	-.02948	.06835	8.45433	-.64757	.26892
.900	139.323	.05373	8.67381	-2.43955	-6.10303	.02762	-.01679	.11506	7.54904	-.65556	.22169
.900	141.625	.04540	7.82208	-2.56369	-5.47169	.02618	-.01632	.09675	6.86581	-.66135	.21109
.899	143.879	-.02593	6.9:621	-2.61402	-4.78923	.02362	-.16031	-.09060	6.18856	-.65376	.20335
.900	146.280	.00033	5.65432	-2.62896	-4.73266	.02125	.10315	[illegible]519	5.32706	-.60863	.15492
.900	148.502	.04127	4.63693	-2.63464	-4.06232	.01540	.06382	[illegible]0521	4.66504	-.55402	[illegible]3505
.900	149.866	.02279	4.19910	-2.58660	-3.45178	.01472	-.12808	.02442	4.34425	-.53741	.13497
	GRADIENT	-.00040	-.39676	-.02836	.22417	-.00109	-.00185	-.00130	-.31933	.00054	-.01625

SA-2F-B (8TPT-662) SRB (RPS140) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 2/ 0 RN/L = 4.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
1.000	133.358	.03465	12.17289	-2.31313	-9.04713	.03253	.00795	.08570	10.43752	-.63975	.30645
1.000	134.385	.03435	11.80148	-2.38311	-8.92446	.03327	.00658	.08420	10.10097	-.64862	.29478
1.000	136.599	.04358	11.13653	-2.53590	-8.22829	.02997	-.02676	.09851	9.49445	-.66870	.29909
1.000	138.814	.05323	10.51263	-2.65775	-7.32239	.02641	-.04699	.11632	8.92277	-.69053	.30523
1.001	141.158	.03002	9.37430	-2.72455	-7.15360	.02281	-.00735	.06898	8.00139	-.69897	.28418
.998	143.507	.04319	8.13809	-2.77842	-6.96913	.01970	-.05965	.08861	7.07362	-.69130	.26707
.993	145.768	.16453	7.14281	-2.81651	-6.76255	.02034	-.78874	.21968	6.34675	-.68082	.24491
.998	147.935	-.06586	6.88886	-2.91486	-5.19070	.01708	-.81284	-.32166	6.12736	-.70022	.29363
1.000	150.355	.01837	5.24426	-2.81211	-5.69047	.01051	.06598	.05634	5.03793	-.62861	.22272
1.000	152.609	.01150	4.42396	-2.71810	-5.32809	.01056	.06764	.04072	4.44867	-.60186	.20383
1.000	154.836	.03080	3.69318	-2.66109	-4.69658	.00738	-.03223	.06504	3.97892	.55571	.18786
1.000	157.033	.04992	3.09126	-2.60674	-3.98983	.00585	-.07685	.10080	3.60632	-.50719	.17535
1.000	159.227	.01981	2.57828	-2.54368	-3.26898	.00165	-.11679	.02234	3.29276	-.45812	.16307
1.000	160.623	.00114	2.27735	-2.50682	-2.86475	.00061	-.10337	-.01874	3.12040	-.42195	.15396
	GRADIENT	-.00108	-.38321	-.00501	.21232	-.00120	-.00232	-.00311	-.28109	.00796	-.00585

SA-2F-B (8TPT-662) SRB (RPS141) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 15/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
1.000	29.170	.02916	5.04359	1.19433	10.82179	-.01933	-.21627	-.09955	3.50114	1.09159	.42299
1.000	30.464	.04131	5.49500	1.16767	11.94384	-.02034	-.32035	-.11933	3.79242	1.09281	.43157
.999	32.544	.06689	6.36819	1.11529	13.57664	-.02286	-.60574	-.06821	4.36590	1.09217	.45098
1.000	34.635	-.00979	7.42247	1.07165	15.17001	-.02418	.20303	-.15007	5.10028	1.07799	.46922
.999	36.686	-.12002	8.51274	1.00696	16.10765	-.02600	1.22044	-.07435	5.89327	1.05628	.48705
.999	38.752	-.03104	9.49975	.91396	17.60735	-.02881	.38447	-.11577	6.65914	1.02662	.46753
1.000	40.799	-.05202	10.76258	.84627	18.16306	-.03079	.64824	-.19994	7.67301	.98975	.47309
1.000	42.839	-.01419	11.89757	.79563	19.05784	-.03167	.30958	-.23924	8.67312	.94350	.47485
1.001	44.895	.02105	12.88013	.75417	20.07541	-.03419	-.11539	-.12463	9.62513	.89267	.47567
1.001	46.922	-.01917	13.89759	.68836	20.70178	-.03372	.24748	-.08389	10.62135	.84632	.47012
1.000	48.928	-.06273	14.97321	.63749	20.60575	-.03506	.71655	-.13946	11.70689	.79927	.48259
.999	50.953	-.00683	15.84612	.50627	20.99112	-.03205	.15583	-.12306	12.62552	.75951	.44136
.999	52.996	.00027	16.53802	.39760	21.81120	-.03467	.08972	-.12877	13.44652	.71663	.40177
.999	53.964	.00181	16.77151	.36727	22.16214	-.03704	.07510	-.12991	13.77823	.69455	.39788
	GRADIENT	-.00129	.49682	-.03287	.43223	-.00066	.01354	-.00115	.43427	-.01735	-.00074

SA-2F-B (8TPT-662) SRB (RPS142) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 9/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
.999	129.573	.02745	13.72786	-2.07152	-9.30694	.03587	.01084	.06731	12.02428	-.57716	.40769
1.000	129.944	.02596	13.33625	-2.15823	-9.18847	.03969	.02847	.06712	11.61019	-.59497	.37341
1.000	132.127	.02911	12.55588	-2.27592	-9.18605	.03910	.01690	.07174	10.83880	-.62131	.32173
1.000	134.352	.04654	11.67223	-2.40242	-9.08627	.03522	-.03862	.10054	10.02576	-.64252	.28793
1.000	136.584	.04793	11.08023	-2.54972	-8.27873	.03422	-.04538	.10206	9.46741	-.66503	.29663
1.001	138.801	.05418	10.41565	-2.65398	-7.47823	.03263	-.07244	.11064	8.85752	-.68742	.28971
1.000	141.110	.02550	9.24959	-2.69644	-7.42903	.02781	.01288	.06182	7.90591	-.69651	.25877
.999	143.492	.04605	8.02688	-2.74365	-7.28115	.02641	-.08511	.08944	6.98076	-.69039	.23655
1.000	145.867	.11285	7.07306	-2.79467	-6.66132	.02374	-.64973	.12838	6.28209	-.68233	.21937
1.000	148.011	-.09126	6.79124	-2.88756	-5.25108	.01952	-1.68453	-.56304	6.04677	-.69960	.26571
1.000	149.384	-.00151	5.62553	-2.81751	-5.75524	.02075	-.50846	-.10899	5.28972	-.64397	.20742
	GRADIENT	-.00160	-.38793	-.03756	.19019	-.00095	-.04878	-.01391	-.32137	-.00444	-.00775

SA-2F-8 (8TPT-662) SRB (RPS143) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 1/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
1.200	133.792	.02873	12.83520	-2.50281	-2.82191	.03482	.00748	.07564	10.99728	-.64341	.35247
1.200	134.788	.02538	12.41980	-2.55936	-2.98591	.03103	.02564	.07044	10.61760	-.65298	.34196
1.199	137.001	.02539	11.47715	-2.67829	-3.45506	.02849	.00880	.06634	9.78611	-.67109	.31371
1.200	139.213	.02502	10.56530	-2.77225	-3.78201	.03292	.02586	.06841	9.00072	-.68756	.29358
1.200	141.436	.01751	9.60562	-2.82205	-4.11355	.02530	.05434	.05509	8.19445	-.70191	.26582
1.200	143.658	.01850	8.75977	-2.87808	-4.20323	.02296	.03530	.05339	7.50938	-.71249	.24647
1.199	145.882	.01698	7.86931	-2.94134	-4.25456	.01923	.01340	.04492	6.84845	-.71026	.23390
1.200	148.098	.00660	6.99667	-2.98586	-4.16550	.01485	.04049	.02475	6.23236	-.69988	.23689
1.200	150.322	.00984	6.17453	-2.95009	-4.06736	.01248	.12319	.04989	5.62026	-.69461	.23596
1.200	152.554	.00429	5.13524	-2.88210	-4.45798	.01235	.08139	.02750	4.92461	-.65565	.21185
1.200	154.762	.00383	4.27743	-2.84032	-4.45803	.01001	.03118	.01596	4.39303	-.60506	.20923
1.200	156.991	.00255	3.52035	-2.78563	-4.17144	.00812	-.02819	.00050	3.94005	-.54604	.20211
1.199	159.177	.00385	2.86904	-2.72408	-3.65541	.00684	-.12532	-.01633	3.56606	-.48043	.19245
	GRADIENT	-.00111	-.39828	-.00934	-.04169	-.00113	-.00173	-.00320	-.29759	.00488	-.00600

SA-2F-B (8TPT-662)SRB (RPS144) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 14/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
1.200	29.143	.03949	5.85912	1.36270	10.78162	-.02288	-.40781	-.01062	4.04354	1.10145	.35773
1.200	30.414	.06427	6.47577	1.33777	11.39664	-.02337	-.72411	.07050	4.43202	1.10726	.36034
1.199	32.452	.01162	7.47405	1.30268	12.33987	-.02497	.00969	-.18237	5.10980	1.09748	.36996
1.199	34.499	.02914	8.48679	1.26003	13.00624	-.02415	-.25753	-.06293	5.84531	1.07447	.38132
1.199	36.532	-.02199	9.56973	1.22676	13.31151	-.02429	.23998	-.01706	6.68230	1.04145	.39972
1.199	38.550	-.01748	10.57439	1.16962	13.77048	-.02657	.17874	.00285	7.50465	1.00484	.40716
1.200	40.582	-.02588	11.66369	1.13788	14.04423	-.02786	.38111	-.15815	8.45177	.96052	.41921
1.199	42.611	-.00932	12.65276	1.07451	14.53576	-.02819	.18992	-.13018	9.35692	.91746	.41601
1.200	44.626	.03627	13.56855	1.01620	14.93617	-.03117	-.43668	.08407	10.25482	.87208	.41731
1.200	46.658	.08026	14.49417	.95156	15.27047	-.03098	-1.02761	.26686	11.19432	.82685	.40091
1.198	48.660	.05894	15.29019	.86967	15.61817	-.03228	-.76751	.20936	12.05432	.78368	.38877
1.197	50.729	-.03688	15.78751	.76496	16.94762	-.03631	.55528	-.23176	12.70626	.73988	.33075
1.195	52.767	-.01315	16.44717	.71437	17.47217	-.03426	.24930	-.15268	13.52709	.69363	.32062
1.195	53.696	.01112	16.81716	.68574	17.37263	-.03403	-.05170	-.09322	13.95875	.67372	.32356
	GRADIENT	-.00085	.45521	-.02793	.25098	-.00053	.00920	-.00035	.41427	-.01878	-.00126

SA-2F-B (8TPT-662)SRB (RPS145) (05 DEC 73)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 8/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CD	L/D	CAB
1.198	126.021	.03679	15.09372	-2.03105	-3.82612	.04289	-.02678	.08836	13.40228	-.53973	.45964
1.199	128.181	.03169	14.53046	-2.13758	-3.36455	.04170	.02494	.08536	12.74318	-.57299	.39633
1.200	130.366	.02375	13.83362	-2.27219	-3.37636	.03952	.05661	.07136	12.01173	-.60178	.35404
1.200	132.566	.02906	13.07094	-2.40131	-3.65866	.03843	.03203	.07919	11.25106	-.62866	.31790
1.200	134.723	.03702	12.30476	-2.54051	-3.79463	.03977	.00177	.09235	10.53040	-.65084	.30216
1.200	136.942	.03173	11.43582	-2.65441	-4.01905	.03556	.01605	.08193	9.74720	-.67131	.28118
1.200	139.159	.02270	10.54640	-2.74863	-3.99679	.03380	.05466	.06749	8.97635	-.68860	.26644
1.200	141.401	.01416	9.62417	-2.81249	-4.05168	.03046	.08157	.05194	8.20226	-.70309	.25290
1.200	143.633	.01006	8.75026	-2.86806	-4.06104	.02564	.08818	.04321	7.49797	-.71291	.23677
1.200	145.859	.02203	7.85214	-2.93677	-4.11411	.02481	.01958	.05883	6.83753	-.70942	.22960
1.200	148.103	.01264	6.94484	-2.97772	-4.05820	.02163	-.02788	.02579	6.19769	-.69743	.23450
1.200	149.347	.02302	6.68992	-2.97521	-3.57822	.01843	-.15237	.02609	5.97028	-.70989	.25871
	GRADIENT	-.00083	-.37498	-.04166	-.01900	-.00104	-.00233	-.00261	-.32734	-.00700	-.00828

SA-2F-8 (8TPT-662)SRB (PPS101) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	29.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 22/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	38.831	.10865	331.85324	.00000	.00000	.00000	.00000
.400	39.957	.12237	332.93814	.00000	.00000	.00000	.00000
.400	41.965	.14943	332.21381	.00000	.00000	.00000	.00000
.400	43.974	.20846	332.39546	.00000	.00000	.00000	.00000
.400	45.994	.26939	332.48462	.00000	.00000	.00000	.00000
.400	48.004	.30499	332.66570	.00000	.00000	.00000	.00000
.400	50.014	.33244	332.48517	.00000	.00000	.00000	.00000
.400	52.011	.33264	332.30353	.00000	.00000	.00000	.00000
.400	54.007	.30201	332.30408	.00000	.00000	.00000	.00000
.400	56.008	.20771	332.48628	.00000	.00000	.00000	.00000
.400	57.973	.20693	332.75651	.00000	.00000	.00000	.00000
.400	59.946	.21981	332.39380	.00000	.00000	.00000	.00000
.400	61.944	.22433	332.30574	.00000	.00000	.00000	.00000
.400	63.071	.21004	332.75762	.00000	.00000	.00000	.00000
	GRADIENT	.00309	.00798	.00000	.00000	.00000	.00000

ORIGINAL PAGE IS
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SA-2F-B (8TPT-662)SRB (PPS102) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 26/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	58.868	.20625	332.39601	.00000	.00000	.00000	.00000
.401	59.925	.20434	333.20945	.00000	.00000	.00000	.00000
.400	61.941	.07817	333.03006	.00000	.00000	.00000	.00000
.400	63.910	.07183	332.93869	.00000	.00000	.00000	.00000
.400	65.905	.14026	332.21436	.00000	.00000	.00000	.00000
.400	67.931	.10792	332.93758	.00000	.00000	.00000	.00000
.400	69.908	.08786	332.66792	.00000	.00000	.00000	.00000
.401	71.903	.08122	333.02839	.00000	.00000	.00000	.00000
.400	73.927	.17224	332.39601	.00000	.00000	.00000	.00000
.400	75.941	.15641	332.66736	.00000	.00000	.00000	.00000
.400	77.943	.02223	332.12187	.00000	.00000	.00000	.00000
.400	79.926	-.02237	332.39213	.00000	.00000	.00000	.00000
.400	81.930	.04042	332.21491	.00000	.00000	.00000	.00000
.400	83.127	.03839	332.75873	.00000	.00000	.00000	.00000
	GRADIENT	-.00556	-.01963	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SFB (PPS103) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8540 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 29/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	78.848	.01167	332.39601	.00000	.00000	.00000	.00000
.400	79.980	-.01029	332.48462	.00000	.00000	.00000	.00000
.401	81.898	.03528	333.11920	.00000	.00000	.00000	.00000
.400	83.938	.01637	331.85214	.00000	.00000	.00000	.00000
.400	85.877	.00144	331.94242	.00000	.00000	.00000	.00000
.400	87.879	.00199	332.48573	.00000	.00000	.00000	.00000
.400	89.881	.01617	332.57765	.00000	.00000	.00000	.00000
.400	91.863	.00195	332.66625	.00000	.00000	.00000	.00000
.400	93.869	-.01099	332.66348	.00000	.00000	.00000	.00000
.400	95.833	-.02671	332.21325	.00000	.00000	.00000	.00000
.400	97.841	-.00504	332.03270	.00000	.00000	.00000	.00000
.400	99.801	.01234	332.66514	.00000	.00000	.00000	.00000
.400	101.811	.02258	331.85214	.00000	.00000	.00000	.00000
.400	102.996	.01736	331.85104	.00000	.00000	.00000	.00000
	GRADIENT	-.00014	-.01677	.00000	.00000	.00000	.00000

ORIGINAL PAGE IS
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SA-2F-B (8TPT-662)SRB (PPS104) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
DREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 32/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	76.792	.18269	332.21049	.00000	.00000	.00000	.00000
.400	78.084	.11900	332.75263	.00000	.00000	.00000	.00000
.400	80.084	.11882	332.20938	.00000	.00000	.00000	.00000
.400	82.059	.08544	332.57266	.00000	.00000	.00000	.00000
.400	84.056	.08344	332.39158	.00000	.00000	.00000	.00000
.400	86.046	.11119	332.12021	.00000	.00000	.00000	.00000
.400	88.031	.08965	332.84288	.00000	.00000	.00000	.00000
.400	90.043	.08255	331.94021	.00000	.00000	.00000	.00000
.400	92.035	.08941	332.93425	.00000	.00000	.00000	.00000
.400	94.019	.05178	332.21104	.00000	.00000	.00000	.00000
.400	96.005	.05054	332.75374	.00000	.00000	.00000	.00000
.400	97.973	.03870	332.75374	.00000	.00000	.00000	.00000
.400	99.981	.08958	332.02994	.00000	.00000	.00000	.00000
.400	100.828	.15102	332.39269	.00000	.00000	.00000	.00000
	GRADIENT	-.00225	.00130	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SR8 (PPS105) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 5/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	136.443	.00784	332.21325	.20423	.26390	.37923	.22753
.400	137.341	.01185	332.66459	.19219	.24675	.36091	.21062
.400	139.406	.00741	331.75965	.17033	.21329	.32739	.18677
.400	141.475	.01620	332.21270	.15618	.18555	.29458	.16473
.400	143.506	.02591	332.03160	.14587	.15816	.25959	.14119
.400	145.599	.02842	331.48823	.12337	.12583	.21727	.11184
.400	147.653	.02290	332.21104	.09560	.08762	.16636	.08012
.400	149.684	.02614	332.48184	.06587	.05642	.11449	.05396
.400	151.714	.02164	332.93369	.04022	.03409	.06066	.03287
.400	153.750	.01688	332.21159	.02190	.01955	.02884	.01767
.400	155.777	.00747	332.39213	.00783	.00773	.00897	.00580
.400	157.819	.01428	332.48240	-.00395	-.00388	-.00560	-.00599
.400	159.846	.01927	331.66826	-.01522	-.01584	-.01897	-.01763
.400	161.255	.01934	332.21049	-.02255	-.02281	-.02596	-.02482
	GRADIENT	.00018	.00259	-.00963	-.01192	-.01779	-.01049

SA-2F-B (8TPT-662)SRB (PPS106) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 18/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	28.818	.00884	331.76075	-.16398	-.14953	-.20089	-.19533
.400	29.983	.00923	332.20993	-.17190	-.15772	-.20577	-.20001
.400	31.981	.02393	331.57742	-.19118	-.17533	-.21865	-.21368
.400	33.987	.04322	331.66936	-.20762	-.19801	-.23600	-.23416
.400	36.011	.08159	332.30186	-.21847	-.21845	-.25273	-.25233
.400	38.005	.11633	331.85048	-.22470	-.21477	-.26723	-.25996
.400	40.007	.11831	332.39213	-.22961	-.20372	-.27885	-.26736
.400	42.008	.13439	331.75854	-.22978	-.19151	-.28757	-.27095
.400	44.038	.19291	332.21104	-.21769	-.19128	-.28828	-.27157
.400	46.047	.28357	331.84993	-.21348	-.20437	-.28702	-.27292
.400	48.067	.35325	331.48768	-.21178	-.22456	-.28492	-.27296
.400	50.054	.42611	331.66936	-.21383	-.24036	-.28335	-.28531
.400	52.078	.46776	331.67046	-.21383	-.24526	-.27905	-.30896
.400	53.001	.29249	331.75965	-.21413	-.24162	-.27934	-.33889
	GRADIENT	.01792	-.00944	-.00145	-.00311	-.00338	-.00460

SA-2F-B (8TPT-662) SRB (PPS107) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	.000
ELTON =	.000	RTORKS =	.000

RUN NO. 11/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.401	125.826	.22821	333.20722	.24132	.37237	.40327	.28734
.400	127.173	-.22344	332.57599	.24042	.35407	.40804	.30655
.400	129.196	-.19742	332.39490	.27225	.36010	.41230	.30356
.400	131.248	.04657	332.66792	.26430	.34157	.42601	.27101
.400	133.315	.04604	332.84677	.23370	.30302	.40333	.24934
.400	135.369	.02138	332.39490	.20836	.27368	.38184	.22510
.400	137.425	.01734	332.84622	.18192	.23424	.34879	.19886
.400	139.480	.00739	332.21381	.16220	.20335	.31941	.17655
.400	141.536	.00848	332.57544	.15013	.17679	.28876	.15830
.400	143.609	.01724	331.94187	.13641	.14864	.25138	.13518
.400	145.683	.01149	332.93758	.11310	.11322	.20994	.10555
.400	147.717	.01853	332.12353	.08756	.07928	.16169	.07421
.400	149.766	.02320	332.30408	.05915	.05119	.10770	.04890
.400	150.911	.01911	332.39490	.04412	.03746	.07340	.03560
	GRADIENT	.00184	-.02023	-.00872	-.01413	-.01359	-.01111

SA-2F-B (8TPT-662) SRB (PPS108) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 23/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	39.032	.10929	332.84677	.00000	.00000	.00000	.00000
.400	39.936	.12226	332.84677	.00000	.00000	.00000	.00000
.400	41.955	.15484	332.30519	.00000	.00000	.00000	.00000
.400	43.943	.20735	331.67102	.00000	.00000	.00000	.00000
.400	45.985	.26785	332.03436	.00000	.00000	.00000	.00000
.400	47.974	.30930	332.30519	.00000	.00000	.00000	.00000
.400	49.984	.32956	332.66681	.00000	.00000	.00000	.00000
.400	51.990	.33428	332.03381	.00000	.00000	.00000	.00000
.400	53.977	.30234	332.30574	.00000	.00000	.00000	.00000
.400	55.995	.20622	332.93758	.00000	.00000	.00000	.00000
.400	57.968	.21732	332.57544	.00000	.00000	.00000	.00000
.400	59.926	.22029	332.48406	.00000	.00000	.00000	.00000
.400	61.934	.22815	332.12353	.00000	.00000	.00000	.00000
.400	63.420	.19736	332.57599	.00000	.00000	.00000	.00000
	GRADIENT	.00293	.00086	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662) SRB (PPS109) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 4/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	159.370	.04742	1006.36037	-.00548	-.00310	.00759	-.00126
.800	160.822	.04563	1006.29335	-.00552	-.00314	.00082	-.00130
	GRADIENT	-.00143	-.05483	.00157	-.00003	-.00541	-.00003

SA-2F-8 (8TPT-662) SRB WITH NO. 40 TRIP STRIPS (PPS110) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 60/ 0 RN/L = .57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.397	78.996	-.00425	51.62993	.00000	.00000	.00000	.00000
.396	79.655	-.00494	51.36355	.00000	.00000	.00000	.00000
.396	81.871	-.00522	51.36622	.00000	.00000	.00000	.00000
.396	83.848	-.00494	51.27042	.00000	.00000	.00000	.00000
.396	85.852	-.00464	51.45237	.00000	.00000	.00000	.00000
.397	87.851	-.00556	51.54332	.00000	.00000	.00000	.00000
.398	89.840	-.00524	51.99790	.00000	.00000	.00000	.00000
.399	91.850	-.00509	52.08713	.00000	.00000	.00000	.00000
.399	93.859	-.00434	52.08713	.00000	.00000	.00000	.00000
.399	95.859	-.00474	52.08713	.00000	.00000	.00000	.00000
.399	97.859	-.00520	52.08713	.00000	.00000	.00000	.00000
.399	99.859	-.00493	52.08713	.00000	.00000	.00000	.00000
.399	101.838	-.00581	51.99681	.00000	.00000	.00000	.00000
.399	103.088	-.00527	51.99681	.00000	.00000	.00000	.00000
	GRADIENT	-.00003	.03306	.00000	.00000	.00000	.00000

RUN NO. 58/ 0 RN/L = .60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.390	79.048	-.00201	77.05713	.00000	.00000	.00000	.00000
.393	79.899	-.00262	77.55535	.00000	.00000	.00000	.00000
.393	81.896	-.00193	77.63881	.00000	.00000	.00000	.00000
.394	83.916	-.00293	77.89374	.00000	.00000	.00000	.00000
.393	85.904	-.00177	77.63881	.00000	.00000	.00000	.00000
.394	87.904	-.00152	77.80678	.00000	.00000	.00000	.00000
.393	89.903	-.00180	77.72280	.00000	.00000	.00000	.00000
.392	91.912	-.00201	77.47137	.00000	.00000	.00000	.00000
.396	93.920	-.00356	78.30561	.00000	.00000	.00000	.00000
.397	95.871	-.00144	78.56009	.00000	.00000	.00000	.00000
.396	97.863	-.00029	78.30561	.00000	.00000	.00000	.00000
.396	99.862	-.00187	78.22711	.00000	.00000	.00000	.00000
.395	101.650	-.00203	78.05574	.00000	.00000	.00000	.00000
.395	103.100	-.00246	78.14222	.00000	.00000	.00000	.00000
	GRADIENT	.00002	.03776	.00000	.00000	.00000	.00000

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SA-2F-B (STPT-662) SRB WITH NO. 40 TRIP STRIPS (PPS110) (18 FEB 74)

REFERENCE DATA

SREF =	9.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 59/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	79.090	-.00147	107.46910	.00000	.00000	.00000	.00000
.901	79.956	-.00118	107.45995	.00000	.00000	.00000	.00000
.900	81.942	-.00124	107.48738	.00000	.00000	.00000	.00000
.900	83.938	-.00116	107.34111	.00000	.00000	.00000	.00000
.900	85.923	-.00232	107.42793	.00000	.00000	.00000	.00000
.900	87.919	-.00308	107.40968	.00000	.00000	.00000	.00000
.898	89.924	-.00249	107.24931	.00000	.00000	.00000	.00000
.899	91.909	-.00214	107.23117	.00000	.00000	.00000	.00000
.897	93.913	-.00183	107.12099	.00000	.00000	.00000	.00000
.898	95.906	-.00205	107.10291	.00000	.00000	.00000	.00000
.898	97.877	-.00311	107.18064	.00000	.00000	.00000	.00000
.897	99.880	-.00255	107.34325	.00000	.00000	.00000	.00000
.897	101.873	-.00287	106.98355	.00000	.00000	.00000	.00000
.897	103.120	-.00350	107.07030	.00000	.00000	.00000	.00000
	GRADIENT	-.00007	-.02055	.00000	.00000	.00000	.00000

SA-2F-8 (8TPT-662)SRB WITH NO. 40 TRIP STRIPS (PPS111) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 55/ 0 RN/L = 2.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.399	79.122	.00609	184.04713	.00000	.00000	.00000	.00000
.399	79.969	-.00432	183.59340	.00000	.00000	.00000	.00000
.399	81.962	-.01436	183.41605	.00000	.00000	.00000	.00000
.399	83.950	-.01715	183.95794	.00000	.00000	.00000	.00000
.400	85.938	-.02037	184.31910	.00000	.00000	.00000	.00000
.399	87.923	-.01522	183.95518	.00000	.00000	.00000	.00000
.398	89.905	-.01932	182.87128	.00000	.00000	.00000	.00000
.399	91.910	-.01742	183.50747	.00000	.00000	.00000	.00000
.400	93.905	-.01267	184.40773	.00000	.00000	.00000	.00000
.399	95.909	-.01234	183.95629	.00000	.00000	.00000	.00000
.398	97.883	-.01346	183.23375	.00000	.00000	.00000	.00000
.399	99.885	-.01824	184.04769	.00000	.00000	.00000	.00000
.399	101.868	-.01879	184.04769	.00000	.00000	.00000	.00000
.399	103.123	-.01499	183.86598	.00000	.00000	.00000	.00000
	GRADIENT	-.00043	.00430	.00000	.00000	.00000	.00000

RUN NO. 54/ 0 RN/L = 2.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	79.276	-.01401	263.62453	.00000	.00000	.00000	.00000
.600	80.128	-.01470	263.79063	.00000	.00000	.00000	.00000
.601	82.063	-.01203	264.78828	.00000	.00000	.00000	.00000
.600	84.107	-.00817	263.54310	.00000	.00000	.00000	.00000
.600	86.126	-.00609	263.62616	.00000	.00000	.00000	.00000
.600	88.127	-.00433	263.95670	.00000	.00000	.00000	.00000
.600	90.115	-.00781	263.95670	.00000	.00000	.00000	.00000
.600	92.019	-.01392	263.95670	.00000	.00000	.00000	.00000
.601	93.957	-.01800	264.37175	.00000	.00000	.00000	.00000
.600	95.939	-.02492	263.71249	.00000	.00000	.00000	.00000
.600	97.926	-.02310	263.62126	.00000	.00000	.00000	.00000
.599	99.928	-.01974	263.37206	.00000	.00000	.00000	.00000
.599	101.926	-.01702	263.29224	.00000	.00000	.00000	.00000
.600	103.149	-.01696	263.96162	.00000	.00000	.00000	.00000
	GRADIENT	-.00044	-.01406	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 4D TRIP STRIPS (PPS111) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 53/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	79.385	.00935	357.31744	.00000	.00000	.00000	.00000
.899	80.228	.01110	356.90569	.00000	.00000	.00000	.00000
.899	82.221	.01007	357.02479	.00000	.00000	.00000	.00000
.899	84.216	.00812	357.08431	.00000	.00000	.00000	.00000
.899	86.192	.00593	357.15293	.00000	.00000	.00000	.00000
.899	88.178	.00497	357.15293	.00000	.00000	.00000	.00000
.899	90.151	.00565	357.15293	.00000	.00000	.00000	.00000
.899	92.142	.00535	357.15293	.00000	.00000	.00000	.00000
.899	94.119	.00412	357.22154	.00000	.00000	.00000	.00000
.899	96.091	.00533	357.15293	.00000	.00000	.00000	.00000
.900	98.063	.00462	357.32229	.00000	.00000	.00000	.00000
.900	100.025	.00376	357.32229	.00000	.00000	.00000	.00000
.900	101.997	.00199	357.51890	.00000	.00000	.00000	.00000
.900	103.243	.00055	357.45033	.00000	.00000	.00000	.00000
	GRADIENT	-.00034	.01520	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 40 TRIP STRIPS (PPS112) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 56/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	79.230	-.16343	332.75485	.00000	.00000	.00000	.00000
.401	80.079	-.15938	333.47851	.00000	.00000	.00000	.00000
.400	82.061	-.07833	332.93536	.00000	.00000	.00000	.00000
.401	84.039	-.04055	333.29802	.00000	.00000	.00000	.00000
.401	86.015	-.02604	333.02728	.00000	.00000	.00000	.00000
.400	88.002	-.01903	332.84511	.00000	.00000	.00000	.00000
.400	89.977	-.03264	332.75485	.00000	.00000	.00000	.00000
.401	91.961	-.06325	333.47906	.00000	.00000	.00000	.00000
.401	93.944	-.04362	333.29802	.00000	.00000	.00000	.00000
.401	95.940	-.03233	333.02617	.00000	.00000	.00000	.00000
.401	97.916	-.03075	333.20833	.00000	.00000	.00000	.00000
.401	99.895	-.03380	333.20778	.00000	.00000	.00000	.00000
.400	101.885	-.03370	332.39213	.00000	.00000	.00000	.00000
.400	103.138	-.03557	332.03160	.00000	.00000	.00000	.00000
	GRADIENT	.00379	-.01988	.00000	.00000	.00000	.00000

SA-2F-8 (8TPT-662) SRB WITH NO. 40 TRIP STRIPS (PPS113) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 52/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.601	79.385	-.02036	674.05557	.00000	.00000	.00000	.00000
.600	80.470	-.03357	673.39154	.00000	.00000	.00000	.00000
.601	82.430	-.05856	673.89947	.00000	.00000	.00000	.00000
.600	84.402	-.05596	673.47620	.00000	.00000	.00000	.00000
.601	86.375	-.02988	673.81317	.00000	.00000	.00000	.00000
.600	88.401	-.02556	673.47949	.00000	.00000	.00000	.00000
.601	90.363	-.00875	673.73346	.00000	.00000	.00000	.00000
.600	92.259	-.00017	673.23044	.00000	.00000	.00000	.00000
.600	94.084	-.00760	673.39648	.00000	.00000	.00000	.00000
.600	96.060	.00225	673.47456	.00000	.00000	.00000	.00000
.601	98.022	.02207	674.06711	.00000	.00000	.00000	.00000
.600	99.993	.02697	673.23209	.00000	.00000	.00000	.00000
.600	102.003	-.00409	673.30853	.00000	.00000	.00000	.00000
.600	103.191	-.01874	673.31675	.00000	.00000	.00000	.00000
	GRADIENT	.00222	-.01677	.00000	.00000	.00000	.00000

SA-2F-8 (8TPT-662)SRB WITH NO. 40 TRIP STRIPS (PPS114) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 51/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	79.875	.04075	982.47659	.00000	.00000	.00000	.00000
.900	80.970	.03800	981.98267	.00000	.00000	.00000	.00000
.900	82.888	.03788	981.91408	.00000	.00000	.00000	.00000
.900	84.859	.03948	982.34858	.00000	.00000	.00000	.00000
.900	86.335	.04155	982.33033	.00000	.00000	.00000	.00000
.900	88.778	.03839	982.40802	.00000	.00000	.00000	.00000
.900	90.710	.03374	982.11074	.00000	.00000	.00000	.00000
.900	92.657	.03406	982.09250	.00000	.00000	.00000	.00000
.900	94.600	.03143	982.94284	.00000	.00000	.00000	.00000
.900	96.509	.02928	982.96113	.00000	.00000	.00000	.00000
.900	98.423	.02219	982.59547	.00000	.00000	.00000	.00000
.900	100.353	.02964	982.94284	.00000	.00000	.00000	.00000
.900	102.286	.02721	982.90172	.00000	.00000	.00000	.00000
.900	103.438	.01898	982.46747	.00000	.00000	.00000	.00000
	GRADIENT	-.00078	.03060	.00000	.00000	.00000	.00000

SA-2F-B (0TPT-662) SRB WITH NO. 25 TRIP STRIPS (PPS115) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 41/ 0 RN/L = .57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.399	78.789	.00360	52.08548	.00000	.00000	.00000	.00000
.399	79.848	.00390	52.08603	.00000	.00000	.00000	.00000
.400	81.845	.00463	52.35690	.00000	.00000	.00000	.00000
.400	83.862	.00536	52.26608	.00000	.00000	.00000	.00000
.399	85.838	.00635	52.08603	.00000	.00000	.00000	.00000
.399	87.827	.00525	51.99571	.00000	.00000	.00000	.00000
.400	89.825	.00479	52.44772	.00000	.00000	.00000	.00000
.400	91.824	.00548	52.26608	.00000	.00000	.00000	.00000
.400	93.833	.00477	52.26608	.00000	.00000	.00000	.00000
.399	95.833	.00418	52.08603	.00000	.00000	.00000	.00000
.399	97.882	.00460	52.17579	.00000	.00000	.00000	.00000
.398	99.831	.00341	51.81502	.00000	.00000	.00000	.00000
.398	101.831	.00531	51.90483	.00000	.00000	.00000	.00000
.398	103.030	.00488	51.81502	.00000	.00000	.00000	.00000
	GRADIENT	-.00000	-.01175	.00000	.00000	.00000	.00000

RUN NO. 40/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.597	78.832	.00627	78.39205	.00000	.00000	.00000	.00000
.597	79.874	.00690	78.55688	.00000	.00000	.00000	.00000
.598	81.922	.00759	78.72644	.00000	.00000	.00000	.00000
.598	83.892	.00724	78.72644	.00000	.00000	.00000	.00000
.598	85.879	.00663	78.72644	.00000	.00000	.00000	.00000
.597	87.892	.00771	78.55848	.00000	.00000	.00000	.00000
.598	89.859	.00828	78.64166	.00000	.00000	.00000	.00000
.598	91.897	.00876	78.64166	.00000	.00000	.00000	.00000
.598	93.853	.00915	78.72644	.00000	.00000	.00000	.00000
.597	95.880	.00989	78.47368	.00000	.00000	.00000	.00000
.598	97.853	.01013	78.72644	.00000	.00000	.00000	.00000
.598	99.849	.00931	78.72644	.00000	.00000	.00000	.00000
.597	101.847	.00988	78.55688	.00000	.00000	.00000	.00000
.597	103.035	.00913	78.55688	.00000	.00000	.00000	.00000
	GRADIENT	.00016	.00141	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (PPS115) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 39/ 0 RN/L = .61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.898	78.881	.00119	106.91122	.00000	.00000	.00000	.00000
.898	79.919	.00117	106.84256	.00000	.00000	.00000	.00000
.897	81.936	.00013	106.63649	.00000	.00000	.00000	.00000
.899	83.913	.00121	106.97986	.00000	.00000	.00000	.00000
.898	85.920	.00017	106.84256	.00000	.00000	.00000	.00000
.898	87.916	-.00005	106.84256	.00000	.00000	.00000	.00000
.898	89.903	.00008	106.70520	.00000	.00000	.00000	.00000
.898	91.907	.00096	106.84256	.00000	.00000	.00000	.00000
.898	93.900	-.00145	106.84256	.00000	.00000	.00000	.00000
.897	95.893	-.00083	106.63649	.00000	.00000	.00000	.00000
.899	97.684	-.00083	106.97986	.00000	.00000	.00000	.00000
.897	99.885	-.00067	106.63649	.00000	.00000	.00000	.00000
.899	101.869	.00005	106.97986	.00000	.00000	.00000	.00000
.899	103.056	.00043	106.97986	.00000	.00000	.00000	.00000
	GRADIENT	-.00006	.00169	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662) SRB WITH NO. 25 TRIP STRIPS (FPS116) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 44/ 0 RN/L = .92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.399	78.807	.00884	82.67107	.00000	.00000	.00000	.00000
.399	79.876	.00896	82.67107	.00000	.00000	.00000	.00000
.400	81.871	.01055	83.12807	.00000	.00000	.00000	.00000
.401	83.866	.01074	83.20447	.00000	.00000	.00000	.00000
.401	85.848	.01042	83.38269	.00000	.00000	.00000	.00000
.401	87.846	.00975	83.11366	.00000	.00000	.00000	.00000
.401	89.883	.01005	83.29916	.00000	.00000	.00000	.00000
.401	91.880	.00932	83.47962	.00000	.00000	.00000	.00000
.401	93.838	.01012	83.47962	.00000	.00000	.00000	.00000
.401	95.846	.01002	83.47962	.00000	.00000	.00000	.00000
.401	97.814	.00929	83.47962	.00000	.00000	.00000	.00000
.401	99.842	.00893	83.47962	.00000	.00000	.00000	.00000
.401	101.839	.00875	83.47962	.00000	.00000	.00000	.00000
.401	103.038	.00812	83.47962	.00000	.00000	.00000	.00000
	GRADIENT	-.00004	.02951	.00000	.00000	.00000	.00000

RUN NO. 43/ 0 RN/L = .91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.601	78.864	.01574	119.04812	.00000	.00000	.00000	.00000
.599	79.916	.01597	118.46203	.00000	.00000	.00000	.00000
.600	81.931	.01811	118.63143	.00000	.00000	.00000	.00000
.600	83.915	.01829	118.63143	.00000	.00000	.00000	.00000
.599	85.898	.01845	118.46203	.00000	.00000	.00000	.00000
.599	87.912	.02036	118.46930	.00000	.00000	.00000	.00000
.600	89.887	.02106	118.55000	.00000	.00000	.00000	.00000
.599	91.880	.02082	118.38058	.00000	.00000	.00000	.00000
.599	93.893	.02063	118.38058	.00000	.00000	.00000	.00000
.599	95.927	.02176	118.46367	.00000	.00000	.00000	.00000
.599	97.870	.02046	118.46367	.00000	.00000	.00000	.00000
.599	99.868	.01523	118.29910	.00000	.00000	.00000	.00000
.599	101.843	.01745	118.38058	.00000	.00000	.00000	.00000
.599	103.058	.01553	118.29585	.00000	.00000	.00000	.00000
	GRADIENT	.00002	-.01687	.00000	.00000	.00000	.00000

SA-2F-8 (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (PPS116) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 42/ 0 RN/L = .90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.901	79.001	.00485	160.92482	.00000	.00000	.00000	.00000
.900	79.998	.00497	160.81520	.00000	.00000	.00000	.00000
.900	81.983	.00472	160.80606	.00000	.00000	.00000	.00000
.900	83.996	.00509	160.79691	.00000	.00000	.00000	.00000
.900	86.002	.00543	160.87460	.00000	.00000	.00000	.00000
.901	87.956	.00480	160.92482	.00000	.00000	.00000	.00000
.900	89.948	.00377	160.81520	.00000	.00000	.00000	.00000
.900	91.950	.00384	160.73750	.00000	.00000	.00000	.00000
.901	93.941	.00406	160.93393	.00000	.00000	.00000	.00000
.901	95.959	.00240	160.98415	.00000	.00000	.00000	.00000
.900	97.915	.00230	160.87460	.00000	.00000	.00000	.00000
.900	99.914	.00167	160.74663	.00000	.00000	.00000	.00000
.900	101.904	.00196	160.87460	.00000	.00000	.00000	.00000
.900	103.089	.00304	160.73750	.00000	.00000	.00000	.00000
	GRADIENT	-.00014	-.00128	.00000	.00000	.00000	.00000

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SA-2F-8 (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (PPS117) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 47/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	78.862	.01450	147.70695	.00000	.00000	.00000	.00000
.400	79.969	.01761	147.79776	.00000	.00000	.00000	.00000
.400	81.953	.01888	147.52640	.00000	.00000	.00000	.00000
.400	83.900	.01891	147.61723	.00000	.00000	.00000	.00000
.400	85.898	.02237	147.70805	.00000	.00000	.00000	.00000
.400	87.901	.02238	147.34694	.00000	.00000	.00000	.00000
.399	89.893	.01852	147.25555	.00000	.00000	.00000	.00000
.400	91.888	.01833	147.43723	.00000	.00000	.00000	.00000
.399	93.874	.01905	147.07605	.00000	.00000	.00000	.00000
.399	95.911	.01876	147.16580	.00000	.00000	.00000	.00000
.399	97.857	.01510	147.25665	.00000	.00000	.00000	.00000
.399	99.891	.00845	147.16580	.00000	.00000	.00000	.00000
.399	101.845	.00597	147.16580	.00000	.00000	.00000	.00000
.399	103.080	.00873	147.25665	.00000	.00000	.00000	.00000
	GRADIENT	-.00040	-.02491	.00000	.00000	.00000	.00000

RUN NO. 46/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	78.956	.03367	210.83448	.00000	.00000	.00000	.00000
.599	80.051	.03655	210.75304	.00000	.00000	.00000	.00000
.601	82.003	.04391	211.41572	.00000	.00000	.00000	.00000
.600	83.996	.04914	211.08528	.00000	.00000	.00000	.00000
.600	86.037	.04291	211.08528	.00000	.00000	.00000	.00000
.601	87.992	.03839	211.41737	.00000	.00000	.00000	.00000
.600	89.993	.03782	211.33436	.00000	.00000	.00000	.00000
.600	91.957	.03968	211.00060	.00000	.00000	.00000	.00000
.599	93.988	.03853	210.84101	.00000	.00000	.00000	.00000
.600	95.935	.03768	211.17488	.00000	.00000	.00000	.00000
.600	97.905	.03790	211.25791	.00000	.00000	.00000	.00000
.600	99.945	.03509	211.25791	.00000	.00000	.00000	.00000
.600	101.895	.03315	210.92081	.00000	.00000	.00000	.00000
.599	103.102	.03135	210.50052	.00000	.00000	.00000	.00000
	GRADIENT	-.00026	-.00475	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (PPS117) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	1.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 45/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	78.095	.00839	285.60919	.00000	.00000	.00000	.00000
.900	80.150	.00969	285.60919	.00000	.00000	.00000	.00000
.900	82.179	.01032	285.66866	.00000	.00000	.00000	.00000
.900	84.124	.01154	285.66866	.00000	.00000	.00000	.00000
.900	86.126	.01023	285.66866	.00000	.00000	.00000	.00000
.900	88.114	.01006	285.66866	.00000	.00000	.00000	.00000
.900	90.098	.00841	285.66866	.00000	.00000	.00000	.00000
.900	92.081	.00878	285.66866	.00000	.00000	.00000	.00000
.900	94.064	.00903	285.60007	.00000	.00000	.00000	.00000
.900	96.052	.00958	285.60007	.00000	.00000	.00000	.00000
.900	98.028	.00960	285.66866	.00000	.00000	.00000	.00000
.900	99.980	.00999	285.78755	.00000	.00000	.00000	.00000
.900	101.968	.00929	285.90637	.00000	.00000	.00000	.00000
.901	103.156	.00892	286.03429	.00000	.00000	.00000	.00000
	GRADIENT	-.00006	.01044	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (PPS118) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.0340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 36/ 0 RN/L = 2.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.398	79.087	.01664	183.23757	.00000	.00000	.00000	.00000
.398	79.946	.01479	183.23757	.00000	.00000	.00000	.00000
.399	81.937	.02502	183.96014	.00000	.00000	.00000	.00000
.399	83.926	.02146	183.96014	.00000	.00000	.00000	.00000
.399	85.921	.02000	184.05044	.00000	.00000	.00000	.00000
.399	87.899	.01855	183.86983	.00000	.00000	.00000	.00000
.399	89.880	.01667	183.60921	.00000	.00000	.00000	.00000
.399	91.883	.01282	183.50857	.00000	.00000	.00000	.00000
.399	93.867	.00642	183.69031	.00000	.00000	.00000	.00000
.399	95.862	.00903	183.87258	.00000	.00000	.00000	.00000
.399	97.875	.00814	183.87258	.00000	.00000	.00000	.00000
.399	99.858	.00681	184.14349	.00000	.00000	.00000	.00000
.399	101.859	.00776	184.14349	.00000	.00000	.00000	.00000
.399	103.073	.00641	184.14349	.00000	.00000	.00000	.00000
	GRADIENT	-.00080	.12561	.00000	.00000	.00000	.00000

RUN NO. 37/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.399	79.136	.04580	262.04133	.00000	.00000	.00000	.00000
.601	80.059	.04943	264.62235	.00000	.00000	.00000	.00000
.600	82.040	.05553	264.11945	.00000	.00000	.00000	.00000
.600	84.034	.05817	263.53820	.00000	.00000	.00000	.00000
.600	86.048	.05920	263.07695	.00000	.00000	.00000	.00000
.601	88.018	.05820	264.78993	.00000	.00000	.00000	.00000
.601	89.983	.05550	264.53807	.00000	.00000	.00000	.00000
.600	91.972	.05365	263.53820	.00000	.00000	.00000	.00000
.600	93.968	.05128	263.53820	.00000	.00000	.00000	.00000
.600	95.947	.05126	263.96162	.00000	.00000	.00000	.00000
.601	97.933	.05077	264.37340	.00000	.00000	.00000	.00000
.600	99.924	.04655	264.03808	.00000	.00000	.00000	.00000
.599	101.898	.04258	263.37368	.00000	.00000	.00000	.00000
.599	103.130	.04273	263.37369	.00000	.00000	.00000	.00000
	GRADIENT	-.00056	-.01066	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (PPS118) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000		
RN/L =	2.000	FWDSTK =	.000		
AFTSTK =	.000	ATTRNG =	1.000		
ELTUN =	.000	RTORKS =	.000		

RUN NO. 36/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	75.347	.02136	356.84209	.00000	.00000	.00000	.00000
.899	80.210	.01913	357.02060	.00000	.00000	.00000	.00000
.900	82.206	.01595	357.30871	.00000	.00000	.00000	.00000
.901	84.184	.01449	357.57373	.00000	.00000	.00000	.00000
.899	86.176	.01449	356.90160	.00000	.00000	.00000	.00000
.899	88.161	.01294	356.95200	.00000	.00000	.00000	.00000
.899	90.145	.01192	356.97021	.00000	.00000	.00000	.00000
.899	92.134	.01082	356.90160	.00000	.00000	.00000	.00000
.899	94.112	.01015	356.90160	.00000	.00000	.00000	.00000
.900	96.087	.00794	357.25842	.00000	.00000	.00000	.00000
.900	98.049	.00301	357.32698	.00000	.00000	.00000	.00000
.900	100.013	.00109	357.25842	.00000	.00000	.00000	.00000
.900	102.007	.00173	357.31785	.00000	.00000	.00000	.00000
.900	103.193	.00371	357.31785	.00000	.00000	.00000	.00000
	GRADIENT	-.00077	.00980	.00000	.00000	.00000	.00000

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SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (PPS119) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.0340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	2.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 48/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	78.896	.02692	194.24777	.00000	.00000	.00000	.00000
.400	79.963	.01064	194.33804	.00000	.00000	.00000	.00000
.400	81.945	.02005	194.06555	.00000	.00000	.00000	.00000
.398	83.922	.06178	192.61884	.00000	.00000	.00000	.00000
.399	85.935	.06090	193.34370	.00000	.00000	.00000	.00000
.399	87.915	.03331	193.25283	.00000	.00000	.00000	.00000
.399	89.904	.02466	193.34315	.00000	.00000	.00000	.00000
.399	91.896	.01624	193.34315	.00000	.00000	.00000	.00000
.399	93.910	.01066	193.34315	.00000	.00000	.00000	.00000
.399	95.870	.01454	193.16251	.00000	.00000	.00000	.00000
.399	97.923	.01360	193.16251	.00000	.00000	.00000	.00000
.399	99.875	.00684	193.07218	.00000	.00000	.00000	.00000
.399	101.848	.00451	193.34315	.00000	.00000	.00000	.00000
	GRADIENT	-.00125	-.03768	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (PPS120) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 35/ 0 RN/L = 3.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.400	79.190	-.13994	331.48713	.00000	.00000	.00000	.00000
.400	80.061	-.14421	332.57433	.00000	.00000	.00000	.00000
.400	82.032	-.04987	331.84993	.00000	.00000	.00000	.00000
.400	84.002	-.00145	331.94076	.00000	.00000	.00000	.00000
.400	86.006	.01731	331.75909	.00000	.00000	.00000	.00000
.399	87.986	.02551	331.21679	.00000	.00000	.00000	.00000
.400	89.954	.00634	332.03160	.00000	.00000	.00000	.00000
.400	91.933	-.00160	331.84938	.00000	.00000	.00000	.00000
.400	93.914	.03584	332.21381	.00000	.00000	.00000	.00000
.399	95.895	.05645	331.39849	.00000	.00000	.00000	.00000
.400	97.903	.05667	331.57907	.00000	.00000	.00000	.00000
.400	99.884	.04009	331.48878	.00000	.00000	.00000	.00000
.400	101.875	.01416	331.58128	.00000	.00000	.00000	.00000
.400	103.078	.00913	331.48933	.00000	.00000	.00000	.00000
	GRADIENT	.00579	-.01844	.00000	.00000	.00000	.00000

RUN NO. 50/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	79.202	.05855	475.72260	.00000	.00000	.00000	.00000
.601	80.264	.05822	475.81054	.00000	.00000	.00000	.00000
.600	82.268	.04218	474.97206	.00000	.00000	.00000	.00000
.600	84.271	.03892	475.72424	.00000	.00000	.00000	.00000
.601	86.231	.04338	476.05790	.00000	.00000	.00000	.00000
.600	88.196	.04740	475.38888	.00000	.00000	.00000	.00000
.600	90.159	.06157	475.55821	.00000	.00000	.00000	.00000
.601	92.173	.06286	475.89026	.00000	.00000	.00000	.00000
.600	94.067	.05948	475.72260	.00000	.00000	.00000	.00000
.600	96.060	.06032	475.22610	.00000	.00000	.00000	.00000
.600	98.021	.06393	475.72260	.00000	.00000	.00000	.00000
.600	100.013	.05342	474.63658	.00000	.00000	.00000	.00000
.601	101.959	.04894	476.30357	.00000	.00000	.00000	.00000
.600	103.148	.03615	474.97534	.00000	.00000	.00000	.00000
	GRADIENT	.00006	-.01114	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (PPS120) (16 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	3.600	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 49/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	79.510	.01872	642.67533	.00000	.00000	.00000	.00000
.899	80.588	.01849	642.82163	.00000	.00000	.00000	.00000
.899	82.548	.02479	642.82163	.00000	.00000	.00000	.00000
.900	84.542	.02706	643.46644	.00000	.00000	.00000	.00000
.900	86.574	.02716	643.38875	.00000	.00000	.00000	.00000
.900	88.502	.02515	643.08249	.00000	.00000	.00000	.00000
.900	90.468	.02420	643.13723	.00000	.00000	.00000	.00000
.900	92.462	.02551	643.03217	.00000	.00000	.00000	.00000
.900	94.382	.02667	643.34761	.00000	.00000	.00000	.00000
.900	96.344	.02585	643.53499	.00000	.00000	.00000	.00000
.900	98.271	.02062	643.40240	.00000	.00000	.00000	.00000
.899	100.203	.01486	642.83984	.00000	.00000	.00000	.00000
.899	102.191	.00980	642.70264	.00000	.00000	.00000	.00000
.900	103.335	.00824	643.45715	.00000	.00000	.00000	.00000
	GRADIENT	-.00042	.01107	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (PPS121) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 34/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	79.570	.09052	673.14906	.00000	.00000	.00000	.00000
.600	80.445	.09014	672.64758	.00000	.00000	.00000	.00000
.600	82.442	.07572	672.55470	.00000	.00000	.00000	.00000
.600	84.435	.08547	672.81530	.00000	.00000	.00000	.00000
.599	86.394	.11700	671.23222	.00000	.00000	.00000	.00000
.600	88.449	.09997	672.65414	.00000	.00000	.00000	.00000
.600	90.324	.11435	672.48313	.00000	.00000	.00000	.00000
.600	92.245	.13008	672.72898	.00000	.00000	.00000	.00000
.600	94.180	.14133	672.64922	.00000	.00000	.00000	.00000
.599	96.126	.14992	671.72580	.00000	.00000	.00000	.00000
.600	98.083	.16520	673.39977	.00000	.00000	.00000	.00000
.600	100.046	.17539	673.40141	.00000	.00000	.00000	.00000
.600	102.016	.14141	672.64922	.00000	.00000	.00000	.00000
.600	103.217	.12220	672.32358	.00000	.00000	.00000	.00000
	GRADIENT	.00319	.00529	.00000	.00000	.00000	.00000

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SA-2F-B (8TPT-662)SRB WITH NO. 25 TRIP STRIPS (PPS122) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 33/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	80.098	.03300	983.07993	.00000	.00000	.00000	.00000
.900	80.953	.03026	983.01139	.00000	.00000	.00000	.00000
.900	82.909	.02174	982.07427	.00000	.00000	.00000	.00000
.900	84.853	.02583	982.31207	.00000	.00000	.00000	.00000
.900	86.857	.02757	982.47211	.00000	.00000	.00000	.00000
.900	88.808	.03000	982.84230	.00000	.00000	.00000	.00000
.900	90.766	.03693	982.36239	.00000	.00000	.00000	.00000
.900	92.695	.03304	982.64577	.00000	.00000	.00000	.00000
.900	94.627	.03747	982.44008	.00000	.00000	.00000	.00000
.900	96.562	.03810	982.67778	.00000	.00000	.00000	.00000
.900	98.467	.03636	982.78289	.00000	.00000	.00000	.00000
.900	100.382	.02673	982.39890	.00000	.00000	.00000	.00000
.900	102.288	.01837	982.60460	.00000	.00000	.00000	.00000
.900	103.472	.01574	982.26175	.00000	.00000	.00000	.00000
	GRADIENT	-.00018	-.00953	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662) SRB (PPS123) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 21/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	39.009	.59971	672.55470	.00000	.00000	.00000	.00000
.600	40.148	.68505	671.71926	.00000	.00000	.00000	.00000
.600	42.187	.81139	672.88684	.00000	.00000	.00000	.00000
.600	44.207	.69775	672.72078	.00000	.00000	.00000	.00000
.600	46.216	.38713	672.63774	.00000	.00000	.00000	.00000
.599	48.242	.35274	671.54496	.00000	.00000	.00000	.00000
.600	50.271	.30402	671.62803	.90000	.00000	.00000	.00000
.600	52.297	.25621	672.12801	.00000	.00000	.00000	.00000
.600	54.314	.18630	672.38206	.00000	.00000	.00000	.00000
.600	56.300	.16076	672.38698	.00000	.00000	.00000	.00000
.600	58.335	.11368	672.21761	.00000	.00000	.00000	.00000
.600	60.318	.07819	671.62639	.00000	.00000	.00000	.00000
.600	62.296	.05438	671.71765	.00000	.00000	.00000	.00000
.600	63.421	.07256	672.55143	.00000	.00000	.00000	.00000
	GRADIENT	-.02947	-.01508	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SRB (PPS124) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 25/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	59.190	.03103	673.65704	.00000	.00000	.00000	.00000
.601	60.273	.05133	674.32104	.00000	.00000	.00000	.00000
.601	62.260	.09016	674.47710	.00000	.00000	.00000	.00000
.600	64.275	.08801	673.39648	.00000	.00000	.00000	.00000
.600	66.289	.10224	673.48936	.00000	.00000	.00000	.00000
.601	68.289	.07807	673.89782	.00000	.00000	.00000	.00000
.600	70.320	.04131	672.22907	.00000	.00000	.00000	.00000
.600	72.266	-.01262	673.48443	.00000	.00000	.00000	.00000
.600	74.246	-.03375	673.40141	.00000	.00000	.00000	.00000
.600	76.258	-.02802	673.48278	.00000	.00000	.00000	.00000
.600	78.282	-.01707	673.32004	.00000	.00000	.00000	.00000
.600	80.293	-.01411	673.14413	.00000	.00000	.00000	.00000
.601	82.310	-.03655	673.64057	.00000	.00000	.00000	.00000
.600	83.494	-.03550	673.32004	.00000	.00000	.00000	.00000
	GRADIENT	-.00217	-.02815	.00000	.00000	.00000	.00000

SA-2F-8 (8TPT-662)SRB (PPS125) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 28/ 0 RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.599	79.197	.01219	671.47494	.00000	.00000	.00000	.00000
.599	80.291	.01234	671.30552	.00000	.00000	.00000	.00000
.599	82.313	.00589	671.38860	.00000	.00000	.00000	.00000
.600	84.365	-.01170	672.14274	.00000	.00000	.00000	.00000
.599	86.359	-.00945	671.21918	.00000	.00000	.00000	.00000
.599	88.319	-.00505	671.21918	.00000	.00000	.00000	.00000
.599	90.389	-.00288	671.05464	.00000	.00000	.00000	.00000
.599	92.328	.03020	671.47005	.00000	.00000	.00000	.00000
.600	94.312	.07224	671.88048	.00000	.00000	.00000	.00000
.599	96.218	.07122	670.96503	.00000	.00000	.00000	.00000
.600	98.205	.06770	671.89356	.00000	.00000	.00000	.00000
.599	100.158	.06090	670.97318	.00000	.00000	.00000	.00000
.599	102.074	.04778	671.63946	.00000	.00000	.00000	.00000
.599	103.226	.03529	671.63946	.00000	.00000	.00000	.00000
	GRADIENT	.00278	.00156	.00000	.00000	.00000	.00000

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SA-2F-B (0TPT-662)SRB (FPS126) (16 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FLDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 31/ 0 RN/L = 5.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.601	76.361	.04447	673.96577	.00000	.00000	.00000	.00000
.600	77.602	.06478	671.98316	.00000	.00000	.00000	.00000
.600	79.588	.05886	673.39977	.00000	.00000	.00000	.00000
.600	81.568	.07523	672.56454	.00000	.00000	.00000	.00000
.599	83.541	.06475	671.72906	.00000	.00000	.00000	.00000
.600	85.531	.10144	672.96629	.00000	.00000	.00000	.00000
.600	87.497	.10675	672.31540	.00000	.00000	.00000	.00000
.600	89.511	.06511	673.15563	.00000	.00000	.00000	.00000
.600	91.529	.07158	671.97826	.00000	.00000	.00000	.00000
.600	93.578	.04848	672.73062	.00000	.00000	.00000	.00000
.600	95.604	.02390	672.47822	.00000	.00000	.00000	.00000
.600	97.629	.06399	672.89505	.00000	.00000	.00000	.00000
.600	99.646	.06837	672.05805	.00000	.00000	.00000	.00000
.600	100.484	.06893	673.46772	.00000	.00000	.00000	.00000
	GRADIENT	-.00032	-.00900	.00000	.00000	.00000	.00000

SA-2F-8 (8TPT-662)SRB (PPS127) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PNI =	.000
RN/L =	5.109	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 7/ 0 RN/L = 5.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	135.310	.08285	672.98136	.18171	.22466	.33081	.20630
.600	136.454	.07588	673.06439	.17033	.21124	.31713	.19539
.600	138.548	.07138	672.31376	.14602	.18706	.29044	.17294
.600	140.721	.02927	672.98465	.13203	.16546	.26445	.14879
.600	142.834	.01842	673.65210	.13423	.14844	.24427	.13515
.601	144.932	.03493	673.72852	.11763	.11532	.20315	.10541
.601	147.036	.02569	673.73017	.08576	.07928	.14558	.07409
.601	149.229	.02959	673.89947	.05867	.05341	.08987	.05203
.600	151.330	.03049	673.30853	.03598	.03414	.04872	.03387
.600	153.379	.01797	673.39812	.01698	.01911	.02287	.01914
.600	155.408	.01838	673.48114	.00304	.00727	.00634	.00727
.601	157.507	.02154	673.97917	-.00912	-.00434	-.00759	-.00450
.601	159.602	.02493	673.73181	-.01881	-.01497	-.01874	-.01462
.600	161.023	.02132	672.32521	-.02505	-.02192	-.02607	-.02209
	GRADIENT	-.00202	.01684	-.00852	-.01012	-.01551	-.00931

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SA-2F-B (8TPT-662)SRB (PPS128) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 19/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	28.940	.03530	673.39648	-.18616	-.18650	-.20977	-.20288
.600	30.090	.07572	673.47949	-.19631	-.19619	-.21597	-.21090
.602	32.116	.18337	675.73310	-.22017	-.21640	-.23312	-.23584
.601	34.128	.34139	673.81976	-.22871	-.23548	-.25190	-.25487
.601	36.142	.45424	673.98247	-.23330	-.22789	-.26281	-.25717
.601	38.195	.56412	673.90276	-.23985	-.21573	-.27599	-.26890
.600	40.216	.66766	673.48114	-.23613	-.21717	-.28468	-.27239
.600	42.232	.70473	673.31511	-.22860	-.21345	-.28652	-.27447
.600	44.276	.52450	673.56415	-.22539	-.21290	-.28952	-.27708
.601	46.289	.38704	674.14681	-.22266	-.21811	-.29108	-.27878
.600	48.310	.32566	672.73226	-.21992	-.23459	-.29201	-.28165
.600	50.334	.31909	673.31511	-.21854	-.24722	-.29057	-.28772
.600	52.346	.27560	673.48278	-.21666	-.25304	-.28844	-.30946
.600	53.311	.26420	673.48443	-.21630	-.25558	-.28451	-.32004
	GRADIENT	.00652	-.03275	-.00047	-.00191	-.00308	-.00376

SA-2F-B (8TPT-662)SRB (PPS129) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 13/ D RN/L = 5.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	124.933	-.00479	672.56782	.20101	.31188	.35128	.25863
.600	126.010	.07610	673.31675	.19759	.29649	.34312	.24525
.600	128.136	.14452	672.98465	.18616	.26339	.32220	.21770
.600	130.140	.07822	672.06950	.21136	.27788	.36368	.23371
.600	132.355	.02312	672.81530	.20316	.26069	.35573	.22012
.600	134.392	.10218	672.48313	.18937	.23074	.34474	.21431
.600	136.563	.10126	673.23537	.16619	.20430	.31726	.19082
.600	138.671	.07410	672.23071	.14212	.17765	.28733	.16512
.600	140.830	.03177	672.07113	.12736	.15698	.26281	.14413
.600	142.911	.03511	672.48641	.12934	.13870	.23946	.13030
.599	145.053	.02232	671.47821	.10819	.10684	.19760	.10081
.600	147.185	.03636	672.57109	.07990	.07225	.14263	.06877
.600	149.280	.03347	672.23561	.05337	.04627	.08858	.04607
.600	150.468	.04173	672.57109	.04002	.03709	.06441	.03539
	GRADIENT	-.00160	-.02573	-.00634	-.01075	-.01084	-.00858

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SA-2F-B (8TPT-662)SRB (PPS130) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FLDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 20/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	38.330	.16156	1006.31222	.00000	.00000	.00000	.00000
.800	40.470	.11692	1005.76748	.00000	.00000	.00000	.00000
.800	42.575	.30166	1005.60404	.00000	.00000	.00000	.00000
.800	44.634	.06474	1006.57405	.00000	.00000	.00000	.00000
.800	46.733	.02061	1006.28705	.00000	.00000	.00000	.00000
.801	48.806	.04524	1006.91537	.00000	.00000	.00000	.00000
.800	50.827	.04657	1006.44612	.00000	.00000	.00000	.00000
.800	52.872	.04090	1006.44628	.00000	.00000	.00000	.00000
.801	54.909	.00780	1007.15419	.00000	.00000	.00000	.00000
.800	56.933	-.01683	1006.00834	.00000	.00000	.00000	.00000
.800	58.965	.00835	1006.36667	.00000	.00000	.00000	.00000
.800	60.968	.01042	1006.49442	.00000	.00000	.00000	.00000
.800	62.966	.03203	1005.95816	.00000	.00000	.00000	.00000
.800	64.092	.03703	1006.48612	.00000	.00000	.00000	.00000
	GRADIENT	-.00658	.01158	.00000	.00000	.00000	.00000

SA-2F-B (6TPT-662)SRB (PPS131) (18 FEB 74)

REFERENCE DATA

SREF =	7.7890 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0300 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0300 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 24/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.000	59.646	.05446	1006.57296	.00000	.00000	.00000	.00000
.001	60.949	.05377	1007.00128	.00000	.00000	.00000	.00000
.000	62.975	.04185	1005.71930	.00000	.00000	.00000	.00000
.000	64.935	.03184	1006.52589	.00000	.00000	.00000	.00000
.000	66.881	.03006	1006.06376	.00000	.00000	.00000	.00000
.000	68.871	.03094	1006.67655	.00000	.00000	.00000	.00000
.000	70.802	.03570	1005.21373	.00000	.00000	.00000	.00000
.000	72.733	.01216	1006.56143	.00000	.00000	.00000	.00000
.000	74.686	.01361	1006.06376	.00000	.00000	.00000	.00000
.000	76.706	.02616	1006.58662	.00000	.00000	.00000	.00000
.000	78.597	.00968	1006.56773	.00000	.00000	.00000	.00000
.000	80.581	.01167	1006.29335	.00000	.00000	.00000	.00000
.000	82.527	-.01684	1006.79616	.00000	.00000	.00000	.00000
.000	83.752	-.04362	1006.34778	.00000	.00000	.00000	.00000
	GRADIENT	-.00301	.00414	.00000	.00000	.00000	.00000

SA-2F-B (8TPT-662)SRB (PPS132) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 27/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.600	79.492	-.01991	1006.42740	.00000	.00000	.00000	.00000
.600	80.542	-.02219	1006.58662	.00000	.00000	.00000	.00000
.801	82.494	-.01547	1006.82316	.00000	.00000	.00000	.00000
.800	84.477	-.00472	1005.87854	.00000	.00000	.00000	.00000
.600	86.560	.00502	1005.92043	.00000	.00000	.00000	.00000
.800	88.392	.00543	1005.79677	.00000	.00000	.00000	.00000
.800	90.279	.00515	1505.64596	.00000	.00000	.00000	.00000
.800	92.219	.01661	1006.28076	.00000	.00000	.00000	.00000
.800	94.162	.00860	1006.09853	.00000	.00000	.00000	.00000
.800	96.084	.00492	1005.24359	.00000	.00000	.00000	.00000
.800	98.039	-.01987	1006.34778	.00000	.00000	.00000	.00000
.801	100.022	-.03061	1007.06828	.00000	.00000	.00000	.00000
.800	101.912	.00819	1006.22632	.00000	.00000	.00000	.00000
.800	103.096	.04579	1006.01263	.00000	.00000	.00000	.00000
	GRADIENT	.00109	-.00637	.00000	.00000	.00000	.00000

SA-2F-8 (8TPT-662)SRB (PPS133) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 30/ 0 RN/L = 6.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.801	76.447	.07744	1006.99498	.00000	.00000	.00000	.00000
.800	77.678	-.02913	1006.14670	.00000	.00000	.00000	.00000
.800	79.629	-.12139	1005.85339	.00000	.00000	.00000	.00000
.800	81.575	-.18147	1005.94558	.00000	.00000	.00000	.00000
.800	83.536	-.21007	1004.99842	.00000	.00000	.00000	.00000
.799	85.462	-.19372	1004.86427	.00000	.00000	.00000	.00000
.800	87.396	-.15994	1006.30593	.00000	.00000	.00000	.00000
.800	89.344	-.09601	1005.65224	.00000	.00000	.00000	.00000
.800	91.270	.00067	1006.04407	.00000	.00000	.00000	.00000
.800	93.214	-.03663	1005.57262	.00000	.00000	.00000	.00000
.800	95.161	-.02652	1005.37773	.00000	.00000	.00000	.00000
.800	97.119	-.00479	1005.58519	.00000	.00000	.00000	.00000
.800	99.086	-.00199	1005.81777	.00000	.00000	.00000	.00000
.800	99.910	-.00603	1005.00470	.00000	.00000	.00000	.00000
	GRADIENT	.00342	-.03380	.00000	.00000	.00000	.00000

SA-2F-8 (8TP?-662) SRB (PP8134) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.0340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 6/ 0 RN/L = 5.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	133.990	.01814	1006.43143	.12693	.18050	.23601	.16610
.801	134.964	.03213	1007.03676	.12203	.16901	.22338	.15442
.801	137.259	.02534	1007.93264	.09650	.13003	.18361	.11867
.800	139.542	.02819	1006.56143	.08653	.11177	.15923	.10251
.800	141.767	.04504	1006.29111	.08431	.09867	.13966	.09225
.801	144.062	.01606	1007.20227	.08810	.09217	.11936	.07600
.801	146.357	.02305	1007.18335	.07068	.06988	.08677	.05794
.801	148.653	.02964	1007.65849	.04011	.04099	.05369	.04046
.801	150.817	-.01167	1007.14550	.02690	.02943	.03772	.02834
.800	152.991	-.00727	1006.68915	.01510	.01843	.02759	.01805
.801	155.118	.02190	1006.57174	.00262	.00598	.01699	.00718
.801	157.243	.03531	1007.49298	-.00345	-.00019	.01652	.00136
.801	159.367	.04422	1006.91300	-.00543	-.00268	.00866	-.00145
.801	160 312	.04007	1006.67755	-.00229	-.00232	.00340	-.00068
	GRADIENT	.00010	.00263	-.00522	-.00691	-.00892	-.00624

SA-2F-B (BTPT-662)SRB (PPS135) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 17/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.801	29.088	.03841	1007.30079	-.19237	-.19339	-.20491	-.19983
.801	30.283	.06954	1007.73424	-.19870	-.19918	-.21075	-.20567
.801	32.319	.24640	1007.11636	-.21341	-.21478	-.22670	-.22137
.800	34.364	.46800	1006.77506	-.22233	-.22950	-.24406	-.23556
.800	36.449	.36243	1005.78006	-.23116	-.22845	-.25392	-.25094
.801	38.555	.14705	1007.74440	-.23349	-.22824	-.25943	-.25598
.801	40.624	.24886	1007.27557	-.23080	-.21785	-.27120	-.26601
.800	42.715	.09253	1005.85339	-.21945	-.22536	-.27490	-.26743
.800	44.800	-.05058	1006.77506	-.21080	-.22997	-.27635	-.27120
.800	46.864	-.04249	1006.01891	-.20744	-.23447	-.27867	-.27456
.800	48.905	-.03017	1006.56773	-.20376	-.23230	-.28285	-.27940
.801	50.965	.03492	1007.06198	-.19800	-.23567	-.28582	-.28481
.800	53.012	.06713	1006.51330	-.19239	-.24284	-.27685	-.29322
.800	53.911	-.01139	1006.70176	-.19079	-.24284	-.27335	-.29800
	GRADIENT	-.00987	-.02888	.00062	-.00149	-.00285	-.00358

SA-2F-B (8TPT-662)SRB (PPS136) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	6.100	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 12/ 0 RN/L = 6.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.800	122.503	.03364	1005.56005	.26577	.39698	.38423	.39832
.800	123.934	.01998	1005.74861	.26363	.39692	.37441	.39825
.800	126.116	.03926	1005.96445	.25983	.39683	.36580	.39496
.800	128.293	.06368	1005.24156	.23515	.36518	.34890	.34711
.801	130.591	.00647	1007.51193	.17894	.27027	.30320	.25654
.800	132.902	.02492	1005.94342	.12610	.18496	.24518	.17304
.801	135.038	.03072	1006.83577	.11644	.15841	.21869	.14720
.800	137.373	.03758	1006.29964	.09141	.12118	.18032	.11300
.800	139.601	.04022	1006.58032	.08293	.10456	.15862	.09909
.800	141.940	.04737	1006.17186	.08445	.09189	.14158	.09208
.800	144.138	.01872	1006.21373	.08299	.08385	.11587	.07205
.800	146.476	.02518	1005.67738	.06246	.06092	.08339	.05193
.801	148.812	.02504	1006.66395	.03491	.03621	.04875	.03272
.801	149.976	.00607	1007.11636	.02719	.03009	.04037	.02614
	GRADIENT	-.00047	.02835	-.00905	-.01487	-.01329	-.01491

SA-2F-B (8TPT-662)SRB (PPS137) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 3/ 0 RN/L = 5.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.899	133.835	.04094	981.04456	.15063	.22187	.24726	.21046
.900	134.671	.02940	982.62750	.13922	.20270	.22923	.19083
.899	136.877	.01431	981.68097	.12099	.16437	.19210	.15236
.900	139.210	.05445	982.40802	.10272	.13138	.16414	.12185
.900	141.506	.05228	982.41715	.10272	.11910	.15488	.11168
.899	143.799	-.01737	981.60327	.11059	.11726	.14336	.10552
.900	146.143	.10175	982.99310	.09000	.08646	.10803	.09221
.899	148.501	.04831	981.28267	.07707	.07533	.09149	.08016
.899	150.775	.02221	981.29669	.07764	.07743	.09064	.07760
.900	152.945	.04698	981.97356	.07775	.07418	.07906	.07686
.900	155.108	.06448	982.11548	.07608	.06759	.06206	.07065
.900	157.255	.04963	982.12460	.07612	.05910	.05013	.06246
.900	159.389	.04244	981.94184	.08425	.05996	.05107	.06125
.900	160.660	.02954	982.67778	.08906	.05996	.05240	.06161
	GRADIENT	.00045	.00906	-.00225	-.00544	-.00707	-.00460

ORIGINAL PAGE IS OF POOR QUALITY

SA-2F-B (8TPT-662) SRB (PPS138) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 16/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	29.148	-.05516	982.31207	-.20829	-.21043	-.21678	-.21030
.899	30.336	-.04595	981.94142	-.21167	-.21350	-.22202	-.21419
.900	32.420	.02855	982.81942	-.21850	-.21985	-.22750	-.22210
.899	34.487	-.04987	981.31067	-.23316	-.23256	-.24155	-.23969
.900	36.586	.14735	982.93827	-.23508	-.24485	-.25870	-.25238
.900	38.681	.03799	982.35770	-.24029	-.25134	-.27294	-.26501
.900	40.770	-.04168	982.92000	-.23710	-.23892	-.27866	-.26960
.900	42.833	-.06158	982.86971	-.23195	-.23018	-.28012	-.26970
.900	44.888	-.06725	982.83317	-.23192	-.24371	-.28512	-.27445
.900	46.964	-.06648	982.43540	-.23153	-.25233	-.28902	-.28165
.900	48.971	-.10450	982.81942	-.22938	-.25917	-.29270	-.28782
.900	51.002	-.01258	982.36682	-.21590	-.25909	-.28466	-.27936
.900	53.039	.00710	982.06038	-.20160	-.25214	-.27568	-.28018
.899	54.008	.00924	981.78601	-.19617	-.24922	-.27084	-.28687
	GRADIENT	-.00090	.00068	.00039	-.00162	-.00260	-.00301

SA-2F-B (8TPT-662) SRB (PPS139) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0211 SCALE		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	5.500	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 10/ 0 RN/L = 5.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.900	128.000	.04314	982.77832	.17623	.28662	.31752	.28247
.900	130.209	.03293	982.62750	.16690	.26484	.29462	.25395
.900	132.483	.04208	982.69604	.15987	.24266	.26675	.22934
.900	134.769	.02557	981.91408	.12760	.18604	.21496	.17348
.900	136.974	.03333	982.25263	.11364	.15285	.18436	.14306
.900	139.323	.05573	981.96445	.09649	.12154	.15731	.11460
.900	141.625	.04540	982.44006	.09806	.11151	.14986	.10668
.899	143.879	-.02593	981.46121	.10441	.10899	.13542	.09794
.900	146.280	.06033	982.23438	.06077	.07653	.10008	.08161
.900	148.592	.04127	982.46747	.06999	.06870	.08589	.07271
.900	149.886	.02279	982.32120	.06988	.07036	.08602	.07054
	GRADIENT	-.00040	-.02048	-.00494	-.01040	-.01089	-.00980

SA-2F-B (8TPT-662)SRB (PPS140) (10 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 2/ 0 RN/L = 4.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.000	133.368	.03465	933.09053	.15685	.17715	.16413	.17268
1.000	134.385	.03435	933.53966	.15584	.16678	.15969	.16270
1.000	136.399	.04358	933.28308	.16509	.16210	.16969	.15758
1.000	138.814	.05323	933.01975	.17408	.16170	.17370	.15807
1.001	141.158	.03002	934.04563	.16259	.15051	.15829	.15004
.999	143.507	.04319	932.81396	.15061	.14415	.14475	.14438
.999	145.768	.16453	932.76284	.13581	.13520	.12990	.13442
.998	147.935	-.06586	932.49356	.17015	.16312	.15769	.14920
1.000	150.355	.01837	933.09053	.13834	.11495	.11416	.11802
1.000	152.609	.01150	933.64801	.13183	.10419	.10009	.10735
1.000	154.836	.03080	933.36043	.12637	.09633	.08674	.09827
1.000	157.033	.04992	932.92925	.12098	.08995	.07753	.09146
1.000	159.227	.01981	933.27649	.11461	.08374	.07033	.08423
1.000	160.623	.00114	933.27649	.10871	.07923	.06559	.07954
	GRADIENT	-.00108	-.00290	-.00197	-.00357	-.00406	-.00335

SA-2F-B (8TPT-662)SRB (PPS141) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 15/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.000	29.170	.02916	933.73198	-.22999	-.22810	-.23675	-.23169
1.000	30.464	.04131	933.53966	-.23428	-.22989	-.24379	-.23797
.999	32.544	.06689	932.42839	-.24476	-.23783	-.25524	-.25112
1.000	34.635	-.00979	933.55949	-.24752	-.25182	-.26832	-.26186
.999	36.686	-.12002	932.43492	-.25077	-.26601	-.28067	-.27150
.999	38.752	-.03104	932.71821	-.24111	-.24553	-.27691	-.26439
1.000	40.799	-.05202	933.24523	-.25120	-.24093	-.28205	-.26604
1.000	42.839	-.01419	933.09710	-.24753	-.24286	-.28453	-.26989
1.001	44.895	.02105	933.87341	-.24273	-.24311	-.28636	-.27546
1.001	46.922	-.01917	933.95075	-.23529	-.24267	-.28295	-.27497
1.000	48.928	-.06273	933.16130	-.24026	-.24727	-.29165	-.28478
.999	50.953	-.00683	932.93064	-.21231	-.23442	-.26510	-.26109
.999	52.996	.00027	933.03946	-.18199	-.22085	-.24000	-.24354
.999	53.964	.00181	932.49268	-.17670	-.22136	-.23687	-.24304
	GRADIENT	-.00129	-.00682	.00183	.00040	-.00031	-.00058

SA-2F-B (8TPT-662)SRB (PPS142) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.900	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 9/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
.999	128.573	.02745	932.98834	.17183	.24089	.25006	.22858
1.000	129.944	.02596	933.60565	.16784	.22863	.21179	.21123
1.000	132.127	.02911	933.39335	.15931	.19055	.17239	.18219
1.000	134.352	.04654	933.57929	.15399	.16206	.15662	.15718
1.000	136.584	.04793	933.31600	.16544	.15920	.16884	.15558
1.001	138.801	.05418	934.24685	.16704	.15160	.16498	.15001
1.000	141.110	.02550	933.85566	.14696	.13704	.14628	.13578
.999	143.492	.04605	933.12993	.13437	.12638	.12969	.12679
1.000	145.867	.11265	933.70097	.12343	.12075	.11619	.11484
1.000	148.011	-.09126	933.64344	.15378	.15225	.14505	.12733
1.000	149.384	-.00151	933.67451	.12592	.11151	.10600	.10637
	GRADIENT	-.00160	.01654	-.00187	-.00529	-.00502	-.00502

DATE 18 APR 74

TABULATED SOURCE DATA LARC 8-655/662 (SA-2FA/B)

(PPS143) (18 FEB 74)

SA-2F-B (8TPT-662)SRB

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 1/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	133.792	.02873	875.68393	.18937	.19098	.20313	.18884
1.200	134.788	.02538	875.64122	.18661	.19450	.19464	.18311
1.199	137.001	.02539	875.57710	.17578	.16907	.17140	.16990
1.200	139.213	.02502	875.59848	.16494	.15935	.15701	.16051
1.200	141.438	.01751	875.68393	.14929	.14531	.13949	.14683
1.200	143.658	.01650	875.66258	.13750	.13622	.12872	.13607
1.199	145.882	.01698	875.49766	.13154	.12871	.12276	.12795
1.200	148.098	.00660	875.46096	.13667	.12828	.12527	.12701
1.200	150.322	.00984	875.64283	.13971	.12393	.12636	.12524
1.200	152.554	.00429	875.48233	.12760	.11126	.11133	.11198
1.200	154.762	.00383	875.71298	.13176	.10986	.10424	.10948
1.200	156.991	.00255	875.72066	.13013	.10546	.09792	.10589
1.199	159.177	.00385	875.48391	.12405	.10113	.09319	.09986
	GRADIENT	-.00111	-.00111	-.00246	-.00343	-.00395	-.00341

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SA-2F-8 (8TPT-662)SRB (PPS144) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 14/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.200	29.143	.03949	875.63353	-.18935	-.19555	-.20128	-.19788
1.200	30.414	.06427	875.64889	-.18668	-.19514	-.20702	-.20211
1.199	32.452	.01162	875.34642	-.19161	-.19487	-.21620	-.21048
1.199	34.499	.02914	875.45629	-.20032	-.19752	-.22326	-.21710
1.199	36.532	-.02199	875.48391	-.21159	-.20713	-.23293	-.22669
1.199	38.550	-.01748	875.50530	-.21419	-.21404	-.23611	-.22999
1.200	40.582	-.02568	875.65489	-.22027	-.22045	-.24272	-.23742
1.199	42.611	-.00932	875.50530	-.21971	-.21925	-.23946	-.23508
1.200	44.626	.03627	875.56944	-.21851	-.21587	-.24300	-.24015
1.200	46.658	.08026	875.41056	-.20326	-.20369	-.23849	-.23807
1.198	48.660	.05894	875.00846	-.19354	-.20542	-.22640	-.23054
1.197	50.729	-.03688	874.41962	-.16312	-.17877	-.19257	-.19320
1.195	52.767	-.01315	874.15384	-.15660	-.16689	-.18597	-.19750
1.195	53.696	.01112	874.33145	-.15652	-.16985	-.18530	-.20178
	GRADIENT	-.00085	-.05005	.00120	.00082	.00064	-.00003

SA-2F-8 (8TPT-662)SRB (PPS145) (18 FEB 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 INCHES		
LREF =	3.0000 INCHES	YMRP =	.0000 INCHES		
BREF =	3.0000 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0211 SCALE				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
RN/L =	4.200	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELTUN =	.000	RTORKS =	.000

RUN NO. 8/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4
1.198	126.021	.03679	875.19870	.17828	.29913	.26682	.26656
1.199	128.181	.03169	875.35662	.17211	.23916	.22887	.23149
1.200	130.366	.02375	875.65647	.16771	.20654	.20227	.20076
1.200	132.566	.02906	875.59848	.16600	.17512	.18522	.17059
1.200	134.723	.03702	875.69757	.16503	.16423	.17057	.16161
1.200	136.942	.03173	875.82742	.15619	.15279	.15348	.15255
1.200	139.159	.02270	875.91458	.14849	.14598	.14154	.14644
1.200	141.401	.01416	875.89914	.14084	.13959	.13210	.14012
1.200	143.633	.01006	875.83513	.13163	.13191	.12286	.13082
1.200	145.859	.02203	875.80608	.12694	.12740	.11981	.12525
1.200	148.103	.01264	875.76930	.13552	.12614	.12380	.12427
1.200	149.347	.02302	875.66393	.15474	.13820	.13643	.13281
	GRADIENT	-.00063	.01724	-.00182	-.00585	-.00546	-.00523